

# **METRO WATER RECOVERY**

## **STATE OF COLORADO**



*Northern Treatment Plant, taken in 2021*

# **ANNUAL COMPREHENSIVE FINANCIAL REPORT**

For the Years Ended December 31, 2021 and 2020



# METRO WATER RECOVERY

STATE OF COLORADO

## ***ANNUAL COMPREHENSIVE FINANCIAL REPORT***

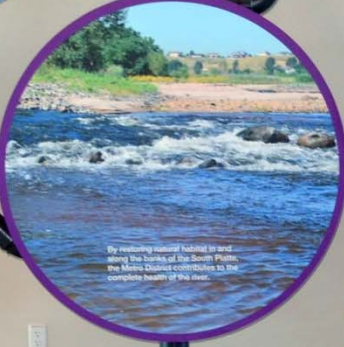
FOR THE YEARS ENDED  
DECEMBER 31, 2021 AND 2020

PREPARED BY:

**DEPARTMENT OF ADMINISTRATIVE SERVICES**

# Stewards of the River

Taking care of the South Platte River since 1966



When people use water, most of it goes down the drain in Denver, Brighton, and other nearby cities, but several millions of gallons of water every day. The Metro District treats and discharges this "wastewater" before it re-enters the South Platte River—protecting the river and ensuring safe, healthy water downstream.

METRO WASTEWATER RECLAMATION DISTRICT

The river corridor provides countless opportunities for recreation and enjoyment.

Clean river water supports the fish and trout populations that other species need—the majestic great blue heron.

By restoring natural habitat to and along the banks of the South Platte, the Metro District contributes to the complete health of the river.

The Metro District works around the clock to help keep your South Platte River clean.

Colorado's productive agricultural lands depend on plentiful, clean water.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

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## **I. INTRODUCTORY SECTION**



William J. (Mickey) Conway, Chief Executive Officer

March 31, 2022

To the Board of Directors and Citizens of  
Metro Water Recovery:

The Annual Comprehensive Financial Report (Annual Report) of Metro Water Recovery (Metro) for the fiscal years ended December 31, 2021 and 2020 is hereby submitted. Responsibility for both the accuracy of the data and the completeness and fairness of the presentation, including all disclosures, rests with Metro Management. To the best of our knowledge and belief, the enclosed data are accurate in all material respects and are reported in a manner designed to present fairly the financial position and results of operations of Metro's two reporting funds--the Enterprise Fund and the Fiduciary Fund. All disclosures necessary to allow the reader to gain an understanding of Metro's financial activities have been included. Management's Discussion and Analysis in the Financial Section provides an overview and analysis of the financial activities for the years ended December 31, 2021 and 2020.

Metro has included, in the accompanying financial statements, all funds controlled by Metro's Board of Directors in conformance with the Governmental Accounting Standards Board standards. Control is determined on the basis of budget adoption, appropriating authority, and managerial direction by Metro's Board. The reporting entity and fund types are described in detail in Note 1 to the financial statements. Metro itself is an Enterprise Fund for accounting purposes, although its budget and account records are segregated into several different activity funds per mandates in bond covenant requirements. The Fiduciary Fund, which reports the Defined Benefit Retirement Plan and a variety of Defined Contribution Retirement Plans is included in the Annual Comprehensive Financial Report as members of the Defined Benefit Plan Retirement Board and the Defined Contribution Plan Retirement Board are appointed by Metro's Board.

Metro, a political entity authorized by the State of Colorado, was organized on May 15, 1961 for the purpose of constructing and operating a wastewater transmission and disposal system in the greater Denver metropolitan area. Metro's original 20 municipal and special district members (Member Municipalities) collect wastewater and deliver it to Metro's interceptor lines. An additional 26 municipalities and special districts (Special Connectors) which collect and deliver wastewater to Metro's interceptor system have been added since Metro's inception. Metro treats an average of 135 million gallons per day (mgd) of wastewater for the Member Municipalities and Special Connectors at its Robert W. Hite Treatment Facility (RWHTF) and the Northern Treatment Plant (NTP). The NTP, located in Brighton, Colorado, began treating wastewater in October 2016. Most of Metro's biosolids are land applied as a soil amendment on more than 300 permitted sites, including Metro's 52,000 acre METROGRO Farm.

## **Metro Water Recovery**

For the Years Ended December 31, 2021 and 2020

Metro's service area totals approximately 715 square miles, located in all or part of six counties: Adams, Arapahoe, Denver, Douglas, Jefferson, and Weld. In 2021, the six-county area had an estimated total population of 3.2 million of which Metro estimates it serves an approximate population of 2.2 million.

### **BRANDING INITIATIVE: NEW NAME AND LOGO**

During June 2021, the Board adopted a new name and logo for the organization, now called Metro Water Recovery, formally known as the Metro Wastewater Reclamation District. The new name was recommended by the Brand Committee, which had spent over two years completing the brand evaluation and enhancement project. The project was driven by an initiative in the Strategic Plan, which was adopted in 2016. In 2018, the Board established the Brand Committee to complete brand research and analysis, define a brand direction, complete an assessment of implementation risk, and develop a recommendation to increase the brand identity of the organization.

### **ECONOMIC CONDITION AND OUTLOOK**

Metro is located in the largest metropolitan area in the State of Colorado. Metropolitan Denver (Metro Denver) is composed of Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, and Jefferson counties. The economic region has experienced significant population and economic growth in the past ten plus years. Economic indicators as of December 2021 expected Metro Denver to continue with positive growth, if not somewhat slower than in past years. While the COVID-19 national pandemic may continue into its third year, the region's economy has remained relatively strong throughout.

For Metro, the pandemic brought uncertainty about many things; however, it did not change the employee's drive to complete the mission and vision. Many employees continued to provide the essential service to protect the health of the people and the environment. While work schedules and locations of some had been adjusted during the heart of the pandemic, Metro officially returned to the office in August 2021.

Metro staff quickly reacted to this unprecedented event by reviewing and updating operating expenses and revenue projections for 2020 and 2021. This included updating a variety of assumptions for Metro's Cash Flow Schedule. As a result, the 2021 Budget was reduced by over \$4 million from its original draft in March 2020, proposed Annual Charges for Services were held to a zero percent increase in 2021, projected Sewer Connection Charge revenue was reduced by \$58 million in 2020 and 2021, and Metro incorporated the use of fund balance reserves to make up for potential revenue loss, some of which will not be replaced over time.

Fortunately, Sewer Connection Charge revenue in 2021 and 2020 did not seem to be affected by the pandemic as originally projected. Growth in Metro Denver residential construction continued at the same pace in 2020 as it did in 2019 and 2021 outpaced both years. Therefore, the Sewer Connection Charges revenues received were twice the projections in 2020 and 2021.

Metro continues to track a variety of economic conditions which may affect future operations and budget projections. 2021 saw unprecedented turnover of employment and Metro turnover rate, at times, was above the strategic target. Wages and benefits are increasing at a rate higher than has been experienced in quite some time. Metro is also watching prices of chemicals, utilities, and maintenance contracts as supply chain and inflationary pressures continue through the region.



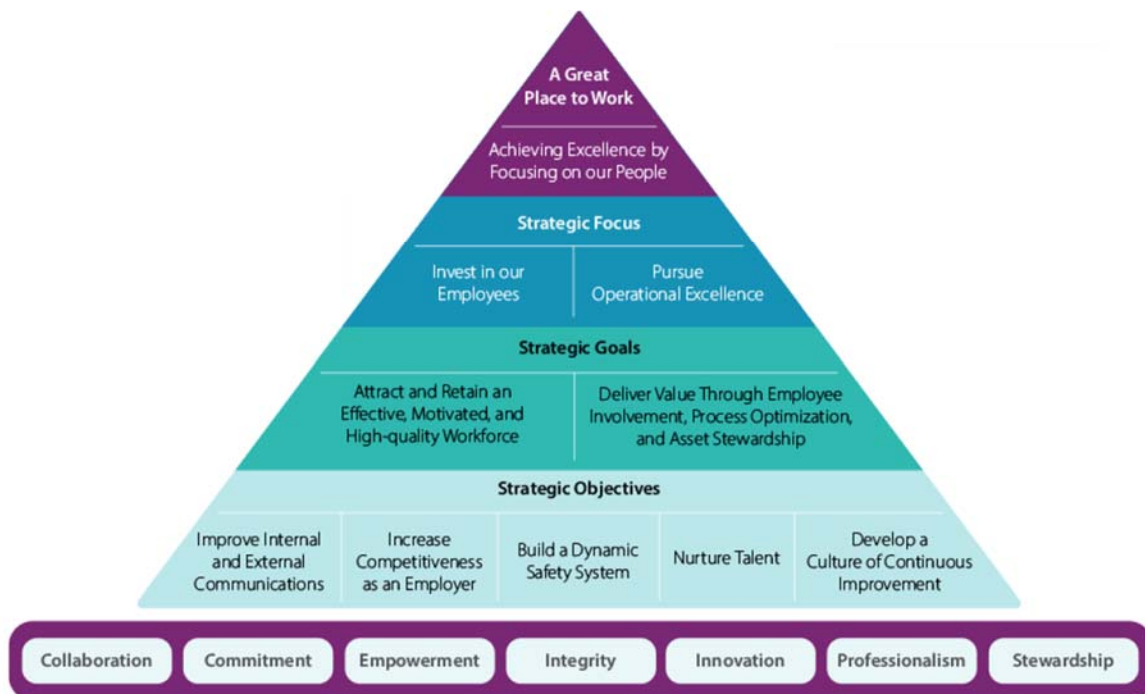
**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

**MAJOR INITIATIVES**

**Strategic Planning and Metro 6.0**

Metro adopted a strategic plan in August 2016. The adoption process involved shared plan development responsibilities among the Board and staff, additional input from a large group of internal and external stakeholders, and in-depth involvement of more than 80 employees. The strategic planning process was designed to establish a shared vision of Metro’s goals and a common understanding of the resource needs, commitments, working environment, and principles upon which strategies will be based. The process also promoted acceptance of the Strategic Plan for achieving Metro’s goals and the formal integration of strategic planning direction and implementation into Metro’s day-to-day operating activities.

Since the adoption of the Strategic Plan, Metro has been engaged in developing and implementing strategies with stakeholders. Specifically, this has led to the formation of Metro’s 6.0 Strategic Focus. This initiative identified two of the Strategic Plan goals on which Metro will focus in the near term.



Metro 6.0 focuses on two key strategies: invest in our employees and pursue operational excellence. Key tactics included in the 2022 Operating Budget include the following:

1. Utilization of brand identity to differentiate Metro as an employer in the marketplace
2. Implementation of key safety and health programs
3. Continued implementation of leadership-at-all-levels training
4. Development of process to grow Metro’s brand
5. Development of asset management tools, hierarchy, and data strategy
6. Enhancement of data-driven decision making

## Metro Water Recovery

For the Years Ended December 31, 2021 and 2020

These key tactics, as well as others identified in Metro 6.0, had a significant influence during the creation of the 2022 Operating Budget.

During 2022, Metro will be updating the Strategic Plan to enhance its value to the organization and strategic guidance for the future. It is anticipated to be completed by the end of 2022.

### Strategic Organization Metrics for 2022

Metro has identified three primary metrics to evaluate the success of Metro's efforts to achieve its mission. The metrics are intended to be at an organizational level with the purpose of being used to guide decision making. Primary metrics help Metro understand how well it is achieving its mission. Primary metrics will be complemented by secondary metrics. Secondary metrics will provide a more detailed understanding of situational root cause opportunities. The primary metrics Metro will be tracking are voluntary turnover rate, annual charge rate change, and annual headcount change. These three metrics were chosen based on a best practice evaluation and analysis of alignment to the Strategic Plan goals and objectives.

### Organizational Metrics



## FINANCIAL INFORMATION

### Internal Control

Metro management is responsible for establishing and maintaining internal controls to ensure Metro assets are protected from loss, theft, or misuse, and to ensure adequate accounting data are compiled to allow for the preparation of financial statements in conformity with accounting principles generally accepted in the United States. The internal controls are designed to provide reasonable, but not absolute, assurance these objectives are met. The concept of reasonable assurance recognizes (1) the cost of a control should not exceed the benefits likely to be derived and (2) the evaluation of costs and benefits requires estimates and judgments by management.

## **Metro Water Recovery**

For the Years Ended December 31, 2021 and 2020

### **Budgeting Controls**

Metro maintains strict budgetary controls to ensure compliance with legal provisions embodied in the various bond covenants and in the annual budget approved by Metro's Board. Activities of the Operations and Maintenance Fund, as defined in bond covenants, are appropriated in the annual budget. Capital projects are appropriated individually from the Fixed Asset Replacement Fund, Acquisition and Construction Fund, or the General Fund, depending on the nature of the project. The level of budgetary control (the level at which expenditures cannot legally exceed the appropriated amount) is the fund total with a specific allocation for capital outlay for the Operations and Maintenance Fund. The individual project appropriation is the legal level of control for expenses incurred by the Fixed Asset Replacement Fund, Acquisition and Construction Fund, and the General Fund. All activities of Metro, other than the Fiduciary Fund activities, are reported in the Enterprise Fund in the enclosed financial statements in accordance with accounting principles generally accepted in the United States. Supplementary schedules display the budgetary comparison for 2021 as well as reconciliation between the budgetary format and that required by these generally accepted accounting principles. Management's Discussion and Analysis in the Financial Section provides an overview and analysis of the financial activities of Metro for the years ended December 31, 2021 and 2020.

### **CAPITAL FINANCING POLICY**

Prior to 1991, Metro typically issued bonds to finance its capital needs. In 1991, in an effort to reduce or defer long-term debt, Metro began progressively cash-financing capital projects. From 2002 until late 2009, all capital projects were financed with revenue from operations, primarily from Annual Charges for Service, Sewer Connection Charge fees, and existing reserves. When the Board made the change to cash financing, the Board acknowledged that during future periods when capital needs were high, Metro would use bond financing when appropriate. Metro issued 2009A&B Bonds in the amount of \$250 million and in 2012 issued \$380 million in bonds. The 2009 and 2012 bond issues provided Metro with an additional funding source for financing its NTP Program and South Secondary Improvements Project, which helped mitigate the need for higher annual rate increases to its Member Municipalities and Special Connectors.

Metro completed a tax-exempt bond issue in October 2020 to fund the construction of the Second Creek Interceptor project which is expected to be completed in 2024. Metro issued \$146 million tax-exempt bonds at an all-in true interest cost of 2.34 percent with a repayment period of 25 years.

Metro is currently planning to expend over \$800 million through 2032 to rebuild aging facilities, pay for needed improvements due to increased regulations, and build additional infrastructure to address growth throughout its service area. At this time, Metro anticipates cash financing these improvements.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

**INDEPENDENT AUDIT**

The *Bylaws of Metro Water Recovery* require an annual audit of the books of account, financial records, and transactions to be conducted by independent certified public accountants selected by the Board. The opinion of Metro’s independent auditor, Moss Adams LLP, on the financial statements is included in this report.

**AWARDS**

The Government Finance Officers’ Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to Metro Water Recovery for its Annual Comprehensive Financial Report for the year ended December 31, 2020. Certificates of Achievement were also awarded by the GFOA for the previous 33 Metro Annual Comprehensive Financial Reports (1987–2019).

In order to be awarded a Certificate of Achievement, a government unit must publish an easily readable and efficiently organized Annual Comprehensive Financial Report whose contents conform to program standards. Such reports must satisfy both generally accepted accounting principles and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year. Metro staff believes its current report continues to conform to the Certificate of Achievement program requirements and is submitting it to the GFOA to determine its eligibility for another certificate.

**ACKNOWLEDGMENTS**

The preparation of the Annual Comprehensive Financial Report on a timely basis was made possible by the dedicated service of the Accounting Division. Each member of the Division extends their sincere appreciation for the contributions made in the preparation of this report.

In closing, without the leadership and support of the Board of Directors, preparation of this report would not have been possible.

Respectfully submitted,

  
\_\_\_\_\_  
Mickey Conway, Chief Executive Officer

  
\_\_\_\_\_  
Molly Kostecky, Chief Financial Officer

  
\_\_\_\_\_  
Paul Parodi, Senior Accounting Manager



Government Finance Officers Association

Certificate of  
Achievement  
for Excellence  
in Financial  
Reporting

Presented to

**Metro Wastewater Reclamation District  
Colorado**

For its Annual Comprehensive  
Financial Report  
For the Fiscal Year Ended

December 31, 2020

*Christopher P. Morill*

Executive Director/CEO

**METRO OFFICIALS**  
**BOARD OF DIRECTORS**

***Officers of the Board***

Scott Twombly : Chairman  
Andrew Johnston : Chairman Pro Tem  
Jo Ann Giddings : Treasurer  
Sarah Niyork : Secretary

***Members of the Board***

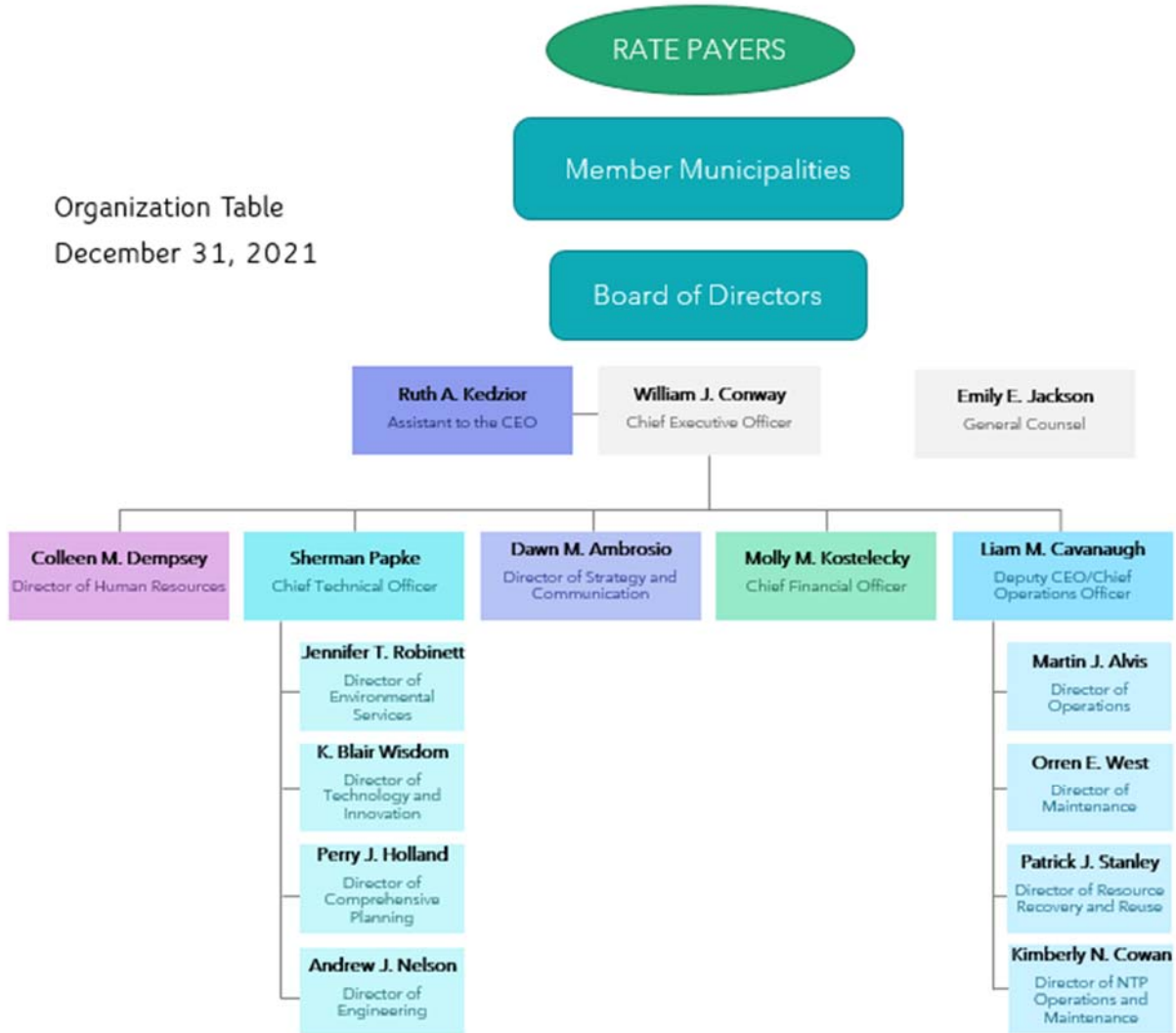
Peter Baertlein	Joan Iler	Bill Ray
Greg Baker	Kathy Jensen	Robert Roth
Philip Burgi	Janet Kieler	Michael Sapp
Nadine Caldwell	Craig Kocian	Greg Sekera
John Chavez	Laura Kroeger	Delbert Smith
David Councilman	Kathy Laurienti	Peter Spanberger
Deborah Crisp	Doug Lazure	Mary Beth Susman
G. Clark Davenport	Bob LeGare	Amerigo Svaldi
John Dingess	Charles Long	Dennis Towndrow
Robert Duncanson	Marty Majors	Jennifer Williams
Marv Falconburg	Steve Pott	Ronald Younger

***Staff Officials***

William J. Conway	: Chief Executive Officer
Emily E. Jackson	: General Counsel
Liam M. Cavanaugh	: Deputy CEO and Chief Operating Officer
Sherman Papke	: Chief Technical Officer
Molly M. Kostelecky	: Chief Financial Officer
Martin J. Alvis	: Director of Operations
Dawn M. Ambrosio	: Director of Strategy and Communication
Kimberly N. Cowan	: Director of NTP Operations and Maintenance
Colleen M. Dempsey	: Director of Human Resources
Perry J. Holland	: Director of Comprehensive Planning
Andrew J. Nelson	: Director of Engineering
Jennifer T. Robinett	: Director of Environmental Services
Patrick J. Stanley	: Director of Resource Recovery and Reuse
Orren E. West	: Director of Maintenance
K. Blair Wisdom	: Director of Technology and Innovation

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Organization Table  
December 31, 2021



**Employees by Department**

Maintenance	69.00
Northern Treatment Plant	19.00
Operations	36.00
Resource Recovery and Reuse	61.00
Administrative Services	52.00
Comprehensive Planning	4.00
Engineering	44.75
Environmental Services	71.00
Human Resources	12.00
Office of the CEO	7.00
Office of the General Counsel	3.00
Strategy and Communication	8.00
Technology and Innovation	19.00
<b>Total</b>	<b>405.75</b>

## ***II. FINANCIAL SECTION***





## **Report of Independent Auditors**

The Board of Directors  
Metro Water Recovery

### **Report on the Audit of the Financial Statements**

#### ***Opinion***

We have audited the statements of net position of the enterprise fund and fiduciary net position of the pension trust fund as of December 31, 2021 and 2020, and related statements of revenue, expenses, and changes in net position, cash flows of the enterprise fund, and changes in fiduciary net position of the pension trust fund of Metro Water Recovery as of and for the years ended December 31, 2021 and 2020, and the related notes to the financial statements, which collectively comprise the Metro Water Recovery's basic financial statements as listed in the table of contents.

In our opinion, the accompanying financial statements referred to above present fairly, in all material respects, the respective financial position of Metro Water Recovery as of December 31, 2021 and 2020, and the respective changes in financial position and, where applicable, cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

#### ***Basis for Opinion***

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in Government Auditing Standards (Government Auditing Standards), issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of Metro Water Recovery and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

#### ***Responsibilities of Management for the Financial Statements***

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Metro Water Recovery's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

***Auditor's Responsibilities for the Audit of the Financial Statements***

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS and Government Auditing Standards will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS and *Government Auditing Standards*, we

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of Metro Water Recovery's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about Metro Water Recovery's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

***Emphasis of Matter***

As discussed in Note 2(n) to the financial statements, Metro Water Recovery has restated the financial statements of its enterprise fund for the year ended December 31, 2020 to correct for misstatements related to net capital assets, accumulated depreciation, depreciation expense and net position. Our opinion is not modified with respect to this matter.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

***Required Supplementary Information***

Accounting principles generally accepted in the United States of America require that the Management's Discussion and Analysis, Schedules of Changes in Net Pension Liability and Related Ratios, Schedule of Employer Contributions, and Schedule of Changes in Net OPEB Liability and Related Ratios, as listed in the table of contents, be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

***Other Information***

Management is responsible for the other information included in the annual report. The other information comprises the Schedules of Revenue and Expenses – Budget and Actual, Schedules of Operating Expenses – Budget and Actual, Combining Statement of Net Position – Fiduciary Funds and Combining Statement of Changes in Net Position – Fiduciary Funds, Introductory section, and Statistical section, but does not include the basic financial statements and our auditor's report thereon. Our opinions on the basic financial statements do not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the basic financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the basic financial statements, or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

***Other Reporting Required by Government Auditing Standards***

In accordance with Government Auditing Standards, we have also issued our report dated March 30, 2022 on our consideration of Metro Water Recovery's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of Metro Water Recovery's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with Government Auditing Standards in considering Metro Water Recovery's internal control over financial reporting and compliance.



Denver, Colorado  
March 30, 2022

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Management's Discussion and Analysis

As management of Metro Water Recovery (Metro), we offer readers of Metro's financial statements this narrative overview and analysis of the financial activities of Metro for the years ended December 31, 2021 and 2020. This discussion and analysis is presented for Metro's primary operations.

**Financial Highlights**

- Metro's net position of \$1,012.2 million at December 31, 2021 increased over the course of 2021 by \$26.1 million or approximately 2.6%.
- Sewer connection fees increased \$6.9 million in 2021 from \$52.3 million to \$59.2 million due primarily to an increase in number of new sewer connections.
- Total operating revenue decreased \$1.2 million in 2021 due primarily to a 0% increase in annual charges for service rates to connectors combined with lower than anticipated farming income from harvest.

**Overview of the Financial Statements**

This discussion and analysis is intended to serve as an introduction to Metro's basic financial statements. Metro's financial statements are comprised of four components: 1) management's discussion and analysis, 2) the financial statements, 3) notes to the financial statements that explain in more detail some of the information in the financial statements, and 4) Required Supplementary Information and Other Schedules.

In October 2021, GASB issued Statement No. 98, *The Annual Comprehensive Financial Report*, which is effective for fiscal year 2021. The statement established the term annual comprehensive financial report and its acronym ACFR. Metro implemented this in the current year financial report.

**Required Financial Statements**

The financial statements of Metro Water Recovery report information using accounting methods similar to those used by private sector companies. These statements provide both long-term and short-term information about Metro's overall financial status.

The statements of net position present information on all of Metro's assets, deferred outflows of resources, liabilities and deferred inflows of resources, with the difference between the categories reported as net position. These statements provide information about the nature and the amounts of investments in resources and the obligations to Metro's creditors. They provide one way to measure the financial health of Metro by providing the basis for evaluating the capital structure of Metro and assessing the liquidity and financial flexibility of Metro. One will also need to consider other nonfinancial factors, such as changes in economic conditions, population, and industrial/commercial customer growth, and new or changed government legislation.

Each year's revenue and expenses are accounted for in the statements of revenue, expenses, and changes in net position. These statements measure operations over the year and can be used to determine whether Metro has recovered all of its costs through its user fees and other charges.

These statements of cash flows report cash receipts, cash payments, and net changes in cash resulting from operating, investing, capital financing, and noncapital financing activities. These statements provide answers to such questions as where did cash come from, what was cash used for, and what was the change in the cash balance during the reporting period.

Two financial statements are presented for the fiduciary fund. The statements of fiduciary net position present assets held in trust for pension benefits at a given point in time, net of accrued liabilities of the pension trust fund. The statements of changes in fiduciary net position indicate the additions and deductions to the pension trust fund net position during the specified periods.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Management's Discussion and Analysis

**Financial Analysis of Metro's Operations**

As previously noted, net position may serve over time as a useful indicator of an entity's financial position. In the case of Metro, assets plus deferred outflows of resources, exceeded liabilities plus deferred inflows of resources by \$1,012.2 million at December 31, 2021 and \$986.1 million at December 31, 2020.

Unrestricted non-capital assets totaled approximately \$290.9 million and \$294.6 million at year-end 2021 and 2020, respectively. These balances primarily represent unrestricted cash, cash equivalents, investments, and accounts receivable from connectors. Restricted assets totaled \$159.0 million and \$197.9 million at year-end 2021 and 2020, respectively. These restricted assets represent cash, cash equivalents, and investments restricted by bond covenants required to be used for future debt service payments. Capital assets totaled \$1,288.4 million and \$1,247.6 million at year-end 2021 and 2020, respectively. These assets include investments in wastewater plant, including pipelines and buildings, machinery, equipment, and vehicles.

Current liabilities totaled approximately \$55.9 million and \$52.9 million at year-end 2021 and 2020, respectively. The balances include trade payables, accrued payroll and related benefits to employees, accrued interest payable on outstanding bonded debt, and the current portion of long-term debt. Noncurrent liabilities totaled approximately \$661.5 million and \$696.5 million at year-end 2021 and 2020, respectively. The balances represent the noncurrent principal amounts of outstanding bond issues, the noncurrent portion of compensated absences, the net pension liability and other postemployment healthcare benefits liability.

As can be seen in the following Table A-1, net investment in capital assets is the largest portion of Metro's net position (63.5%) in 2021 and (58.0%) in 2020, and reflect its investment in capital assets (e.g., sewers, buildings, machinery, and equipment) less related debt. Net investment in capital assets totaled \$642.9 million and \$571.9 million at year-end 2021 and 2020, respectively. The net increase of \$71.0 million over 2020 is primarily due to a \$40.8 million net increase in capital assets combined with a \$30.2 million decrease in debt. Metro uses these assets to provide wholesale wastewater transmission and treatment for approximately 715 square miles of the Denver metropolitan area and serves approximately 2 million people. As Metro uses these capital assets in its operations, they are not available for future spending. Although Metro's investment in its capital assets is reported net of related debt, it should be noted that the resources to repay this debt must be provided from other sources, since the capital assets themselves are not intended to be used to liquidate these liabilities.

Restricted net position is restricted for current debt service payments, debt service reserve, and includes unspent debt proceeds as required by debt covenants and represent the excess of assets restricted for debt service payments over the accrued interest liability. These totaled approximately \$153.5 million and \$192.5 million at year-end 2021 and 2020, respectively. Board of Directors restricted amounts includes funds specifically restricted by Board actions for a specific purpose. These totaled approximately \$50.8 million and \$49.5 million at year-end 2021 and 2020, respectively. Unrestricted net position comprises the remainder of the balance. This net position may be used for any purpose. Unrestricted net position totaled approximately \$165.0 million and \$172.2 million at year-end 2021 and 2020, respectively.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Management's Discussion and Analysis

**Table A-1**  
**Condensed Summary of Net Position**

(In thousands)

	<b>December 31,</b>		
	<b>2021</b>	<b>2020 as restated</b>	<b>2019 as restated</b>
Unrestricted assets	\$ 290,932	\$ 294,615	\$ 333,059
Restricted assets	158,979	197,907	35,686
Capital assets, net	1,288,397	1,247,588	1,191,855
Total assets	<u>1,738,308</u>	<u>1,740,110</u>	<u>1,560,600</u>
Deferred outflows of resources	10,854	7,066	9,178
Current liabilities	55,952	52,856	49,610
Noncurrent liabilities	661,544	696,497	568,659
Total liabilities	<u>717,496</u>	<u>749,353</u>	<u>618,269</u>
Deferred inflows of resources	19,447	11,710	9,129
Net investment in capital assets - see note 2(n)	642,950	571,939	646,389
Restricted - bonds	153,507	192,489	32,331
Restricted - board of directors, as restated	50,786	49,518	48,942
Unrestricted, as restated	164,976	172,167	214,718
Total net position	<u>\$ 1,012,219</u>	<u>\$ 986,113</u>	<u>\$ 942,380</u>

The primary variances between 2021, 2020, and 2019 are related to capital assets and noncurrent liabilities. Capital assets increased by \$40.8 million and \$53.0 million during 2021 and 2020, respectively, due primarily to additions in construction in progress. Restricted assets decreased by \$38.9 million during 2021 due primarily to the payment of bond principal during the year. Noncurrent liabilities decreased by \$34.9 million during 2021 due primarily to the principal payments on outstanding bonds. Noncurrent liabilities increased \$127.8 million in 2020 primarily due to the issuance of new bonds reduced by principal payments on outstanding bonds. For further information, please see the capital assets and debt administration discussion on pages 18 – 20.

As can be seen in the following Table A-2, net position increased \$26.1 million to \$1,012 million in 2021 and \$43.7 million to \$986.1 million in 2020. The increase in net position in 2021 was primarily due to receiving \$59.2 million in sewer connection fees reduced by loss before sewer connection fees of \$33.1 million. The increase in net position in 2020 was primarily due to receiving \$52.3 million in sewer connection fees reduced by loss before sewer connection fees of \$8.6 million.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Management's Discussion and Analysis

**Table A-2**  
**Summary of Revenue, Expenses,**  
**and Changes in Net Position**  
(In thousands)

	<b>December 31,</b>		
	<b>2021</b>	<b>2020 as restated</b>	<b>2019 as restated</b>
Annual charges to connectors	\$ 135,441	\$ 135,441	\$ 132,137
Septic charge revenue	88	97	94
Other operating revenue	1,735	2,923	1,979
Total operating revenue	137,264	138,461	134,210
Investment revenue (loss)	(2,134)	8,005	11,318
Intergovernmental revenue	1,804	1,814	2,188
Total revenue	136,934	148,280	147,716
Operations and maintenance expenses	41,892	39,961	41,307
Technical management and support	23,130	21,259	22,329
Administrative and general	24,545	24,345	22,358
Depreciation and amortization	60,339	54,855	46,651
Total operating expenses	149,906	140,420	132,645
Interest expense	18,676	16,354	19,270
Other	1,444	60	1,580
Total nonoperating expenses	20,120	16,414	20,850
Total expenses	170,026	156,834	153,495
(Loss) before capital contributions	(33,092)	(8,554)	(5,779)
Capital contributon - sewer connection fees	59,198	52,287	51,632
Increase in net position	26,106	43,733	45,853
Beginning net position - see note 2(n)	986,113	942,380	896,527
Ending net position	\$ 1,012,219	\$ 986,113	\$ 942,380

## **Metro Water Recovery**

For the Years Ended December 31, 2021 and 2020

### **Management's Discussion and Analysis**

While the summary of net position (Table A-1) shows the change in financial position, the summary of revenue, expenses, and changes in net position (Table A-2) provides answers as to the nature and source of these changes. As can be seen in Table A-2, total revenue for 2021 including sewer connection fees decreased by approximately \$4.4 million or 2.2%, and total expenses increased by approximately \$13.2 million or 8.4% from 2020. The major factors that drove these results and other changes during 2021 include:

- Operating revenue decreased by \$1.2 million in 2021 primarily due to a decrease in other operating revenue from METROGRO farming activities.
- Sewer connection fees increased approximately \$6.9 million in 2021 primarily due to an increase in number of Single Family Residential Equivalents.
- Investment revenue decreased by \$10.1 million in 2021, primarily due to both realized and unrealized gains on investments resulting from volatility in equity markets.
- The \$13.2 million increase in total expenses included an increase of \$9.5 million in operating costs, which includes an increase of \$5.5 million in depreciation expense, and an increase of \$2.3 million in interest costs, and an increase in other expense of \$1.4 million.

In Table A-2, total revenue for 2020 including sewer connection fees increased by approximately \$1.2 million or 0.6%, and total expenses increased by approximately \$3.3 million or 2.2% from 2019. The major factors that drove these results and other changes during 2020 include:

- Operating revenue increased by \$4.3 million in 2020 primarily due to a 2.5% increase in annual charges for service rates to connectors.
- Sewer connection fees increased approximately \$0.7 million in 2020 primarily due to an increase in number of Single Family Residential Equivalents.
- Investment revenue decreased by \$3.3 million in 2020, primarily due to both realized and unrealized gains on investments resulting from volatility in equity markets
- Intergovernmental revenue decreased approximately \$0.4 million in 2020 primarily due to a decrease in the amount of Build American Bonds credit resulting from the partial refunding of series 2009B bonds.
- The \$3.3 million increase in total expenses included an increase of \$7.8 million in operating costs, which includes an increase of \$8.2 million in depreciation expense, and a decrease of \$2.9 million in interest costs, and a decrease in other expenses of \$1.5 million.

### **Capital Assets and Debt Administration**

#### *Capital Assets*

As of December 31, 2021 and 2020, Metro's investment in capital assets amounted to \$1,288.4 million and \$1,247.6 million, respectively (net of accumulated depreciation), as shown in the following Table A-3. The \$40.8 million increase in net capital assets in 2021 was primarily due to approximately \$104.0 million in additions to construction in progress for various ongoing wastewater and improvement and rehabilitation projects offset by completed projects placed in service and offset by \$60.3 million of depreciation expense.

The following projects incurred such costs for 2021: Sand Creek and Second Creek Basins - \$50.3 million, Sludge Processing Building – \$14.5 million, Interceptor Rehabilitation – \$7.8 million, National Western Center Delgany Interceptor – \$6.9 million, RWHTF Support Facility Improvements – \$1.9 million, and HID Lighting Improvements – \$2.1 million. The remaining increase of \$20.3 million to construction in progress was a result of other additions to numerous smaller projects.



**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Management's Discussion and Analysis

The \$55.7 million increase in net capital assets in 2020 was primarily due to approximately \$106.8 million in additions to construction in progress for various ongoing wastewater and improvement and rehabilitation projects offset by completed projects placed in service and offset by \$54.8 million of depreciation expense. The following projects incurred such costs for 2020: \$30.0 million, RWHTF Support Facility Improvements – \$22.4 million, Sand Creek and Second Creek Basin Regional Plan – \$10.6 million, Interceptor Rehabilitation 2018-2019 – \$8.5 million, Nuisance Struvite and Dewaterability – \$7.5 million, Digester Complex Rehabilitation – \$6.7 million, TU-8 Load Center and Transformer – \$5.9 million, and South Headworks and Grease Processing Improvements – \$4.7 million. The remaining increase of \$10.5 million to construction in progress was a result of other additions to numerous smaller projects.

Construction in progress increased by \$4.7 million in 2021. The \$104.0 million in additions to construction in progress in 2021 discussed above, was offset by \$99.3 million in completed projects, such as the South Headworks and Grease Processing Improvements, the TU-8 Load Center and Transformer and progress milestone completion of RWHTF Support Facility Improvement, which were transferred to plant and equipment. Construction-in-progress increased by \$23.0 million in 2020. The \$106.8 million in additions to construction in progress in 2020 discussed above, was offset by \$83.8 million in completed projects, such as the Digester Complex Rehabilitation, the Nuisance Struvite and Dewaterability, and partial completion of RWHTF Support Facility Improvements, which were transferred to plant and equipment.

The increase in capital assets in 2021 and 2020 was offset by capital asset disposals of \$23.2 million and \$3.9 million, respectively.

**Table A-3**  
**Capital Assets**

(In thousands)

	<u>2021</u>	<u>2020 as restated</u>	<u>2019 as restated</u>
Land, land improvements and water rights	\$ 46,844	\$ 45,743	\$ 43,468
Plant in service	974,310	960,428	919,308
Vehicles and equipment	702,279	642,497	601,619
Construction in progress	<u>182,862</u>	<u>178,173</u>	<u>155,178</u>
	1,906,295	1,826,841	1,719,573
Less accumulated depreciation	<u>(617,898)</u>	<u>(579,253)</u>	<u>(527,718)</u>
Net capital assets	<u>\$ 1,288,397</u>	<u>\$ 1,247,588</u>	<u>\$ 1,191,855</u>

**Fiduciary Fund**

As of December 31, 2021 and 2020, the net position of the pension trust fund totaled \$151.3 million and \$128.4 million, respectively. The increase in net position in 2021 was primarily due to net appreciation in the fair value of investments of \$20.1 million. In 2021 and 2020, contributions to the pension trust fund amounted to \$11.5 million and \$9.8 million, respectively. The increase in contributions in 2021 was primarily due to the increase in required employer contributions netted against the slight reduction in employee contributions.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Management's Discussion and Analysis

*Debt Administration*

At December 31, 2021 and 2020, Metro's long-term debt consisted of approximately \$640.4 and \$670.3 in bonds payable, respectively. Metro's underlying bond ratings are as follows:

<u>Moody's Investors Services</u>	<u>Standard &amp; Poor's</u>
Aa1	AAA

Additional information on Metro's capital assets and long-term debt can be found in notes 4, 5, and 6 to the financial statements.

**Next Year's Budgets and Rates**

Metro approved a \$98.7 million 2022 Operation and Maintenance Budget, an increase of \$4.9 million from 2021. The increase is primarily from budgeted wage increases and significant increases in employee benefit costs, as well as an increase in the amount and cost of treatment chemicals and materials and supplies needed for maintenance, and an increase in outside services. Metro also approved Annual Charges for Service totaling \$138.1 million, a 2.0% increase from 2021. Annual Charges for Services are the annual user fees that Metro Connectors pay for the treatment of their wastewater and are allocated to individual connectors based on the relative amount and strength of their wastewater. Annual rates are set each year to cover the annual requirements of operating expenses, debt service, capital project expenditures, and fund balances.

Metro's Capital Projects Budget for 2022 totals \$121.9 million, a decrease of \$17.8 million from the 2021 Capital Projects Budget of \$139.7 million. These projects include rehabilitation, growth, and improvement projects in Metro's system.

**Requests for Information**

This financial report is designed to provide a general overview of Metro Water Recovery's finances for all those with an interest in Metro's finances and to demonstrate Metro's accountability for the money it receives. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to the attention of Molly Kostelecky, Chief Financial Officer, Metro Water Recovery, 6450 York Street, Denver, CO 80229 or [www.metrowaterrecovery.com](http://www.metrowaterrecovery.com).

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Basic Financial Statements

**Statements of Net Position**  
**December 31, 2021 and 2020**

	<b>2021</b>	<b>2020 as restated</b>
Current assets:		
Cash and cash equivalents	\$ 70,430,549	\$ 72,545,485
Investments	32,051,021	8,442,003
Accounts receivable	15,000,592	14,637,193
Due from other governments	448,848	440,224
Accrued interest receivable	680,812	786,524
Materials and supplies inventories, net of loss reserve of \$250,000	7,156,272	6,383,184
Prepaid expenses and other assets	2,124,846	1,944,692
	127,892,940	105,179,305
Restricted:		
Cash and cash equivalents	53,257,209	96,505,764
Investments	70,810,108	44,766,000
	124,067,317	141,271,764
Total current assets	251,960,257	246,451,069
Noncurrent assets:		
Investments	163,039,797	189,436,361
Nondepreciable capital assets:		
Land and water rights	46,843,769	45,742,931
Construction in progress	182,861,681	178,172,669
	229,705,450	223,915,600
Depreciable capital assets, net:		
Plant in service	621,261,114	620,307,549
Equipment and vehicles	437,430,060	403,364,238
Net capital assets	1,288,396,624	1,247,587,387
Restricted:		
Investments	34,912,046	56,634,964
Total noncurrent assets	1,486,348,467	1,493,658,712
Total assets	1,738,308,724	1,740,109,781
Deferred outflows of resources:		
Pension related	8,261,585	4,851,649
OPEB related	2,592,941	2,214,633
Total deferred outflows of resources	10,854,526	7,066,282

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Basic Financial Statements

**Statements of Net Position**  
**December 31, 2021 and 2020**

	<b>2021</b>	<b>2020 as restated</b>
Current liabilities:		
Accounts payable	\$ 21,233,636	\$ 19,376,570
Accrued payroll	1,403,348	1,168,473
Compensated absences	167,707	247,447
	22,804,691	20,792,490
Payable from restricted assets:		
Accrued interest payable	5,472,463	5,418,349
Bonds payable	27,675,000	26,645,000
Total current liabilities	55,952,154	52,855,839
Noncurrent liabilities:		
Compensated absences	2,412,058	2,793,413
Bonds payable	612,682,931	643,647,212
Net pension liability	33,793,004	38,153,338
Net OPEB liability	12,273,631	11,900,947
Other accrued liabilities	383,212	2,000
Total noncurrent liabilities	661,544,836	696,496,910
Total liabilities	717,496,990	749,352,749
Deferred inflows of resources:		
Pension related	13,421,420	6,074,648
OPEB related	937,037	279,276
2019B bond deferred gain on refunding	5,088,366	5,356,174
Total deferred inflows of resources	19,446,823	11,710,098
Net position:		
Net investment in capital assets	642,950,326	571,939,001
Restricted – bonds	153,506,900	192,488,379
Restricted – board of directors	50,786,056	49,518,373
Unrestricted, as restated	164,976,155	172,167,463
Total net position	\$ 1,012,219,437	\$ 986,113,216

See accompanying notes to basic financial statements.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Basic Financial Statements

**Statements of Revenue, Expenses, and Changes in Net Position**  
**Years ended December 31, 2021 and 2020**

	<b>2021</b>	<b>2020 as restated</b>
Operating revenue:		
Annual charges to connectors	\$ 135,440,824	\$ 135,440,824
Septic charge revenue	88,620	97,254
Other operating revenue	1,734,820	2,923,009
Total operating revenue	137,264,264	138,461,087
Operating expenses:		
Operations and maintenance:		
Wastewater transmission	1,648,306	1,349,024
Wastewater treatment	20,930,548	19,801,990
Solids processing	9,912,537	10,192,371
Solids recycling	9,400,521	8,617,925
	41,891,912	39,961,310
Technical management and support:		
Engineering services	4,687,119	4,064,644
Laboratory services	6,882,740	6,617,457
Support operation and maintenance	11,560,117	10,577,124
	23,129,976	21,259,225
Administrative and general	24,545,094	24,345,296
Depreciation and amortization expense	60,339,331	54,854,542
Total operating expenses	149,906,313	140,420,373
Operating income (loss)	(12,642,049)	(1,959,286)
Nonoperating revenues (expenses):		
Investment revenue (expense)	(2,134,013)	8,005,862
Interest expense	(18,676,197)	(16,354,709)
Intergovernmental revenue	1,804,018	1,814,187
Studies expense	(1,467,968)	(1,058,297)
Other revenue	23,738	998,292
Net nonoperating revenue (expense)	(20,450,422)	(6,594,665)
Income (loss) before capital contributions	(33,092,471)	(8,553,951)
Capital contributions – sewer connection fees	59,198,692	52,287,224
Increase in net position	26,106,221	43,733,273
Net position, beginning of year - See Note 2(n)	986,113,216	942,379,943
Net position, end of year	\$ 1,012,219,437	\$ 986,113,216

See accompanying notes to basic financial statements.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Basic Financial Statements

**Statements of Cash Flows**  
Years ended December 31, 2021 and 2020

	<b>2021</b>	<b>2020 as restated</b>
Cash flows from operating activities:		
Cash received from customers	\$ 137,111,539	\$ 138,510,810
Cash payments to employees	(53,276,337)	(49,422,624)
Cash payments to suppliers for goods and services	(40,939,402)	(38,573,635)
Other receipts	1,485,959	1,593,777
Net cash provided by operating activities	44,381,759	52,108,328
Cash flows from capital and related financing activities:		
Sewer connection fees	59,003,558	49,960,724
Acquisition and construction of capital assets	(98,614,800)	(107,979,370)
Principal paid on capital debt	(26,644,999)	(27,287,479)
Interest paid on capital debt	(21,911,365)	(17,093,741)
Proceeds from issuance of new debt	—	160,539,250
Proceeds from sale of capital assets	204,446	330,182
Net cash provided by/(used in) capital and related financing activities	(87,963,160)	58,469,566
Cash flows from noncapital financing activities:		
Intergovernmental revenue received	1,795,394	2,714,796
Net cash provided by noncapital financing activities	1,795,394	2,714,796
Cash flows from investing activities:		
Proceeds from sales and maturities of investments	363,748,911	766,804,215
Purchase of investments	(382,296,081)	(879,416,278)
Interest and dividends received	4,752,436	6,292,318
Change in fair value of investments classified as cash equivalents	10,217,250	2,998,050
Net cash provided by (used in) investing activities	(3,577,484)	(103,321,695)
Net increase (decrease) in cash and cash equivalents	(45,363,491)	9,970,995
Cash and cash equivalents, beginning of year	169,051,249	159,080,254
Cash and cash equivalents, end of year	\$ 123,687,758	\$ 169,051,249
Reconciliation of operating income to net cash provided by operating activities:		
Operating income	\$ (12,642,049)	\$ (1,959,286)
Adjustments to reconcile operating income to net cash provided by operating activities:		
Depreciation expense	60,339,331	54,854,542
Decrease/(Increase) in accounts receivable	(152,984)	49,607
Decrease/(Increase) in inventory	(773,088)	(325,779)
Decrease/(Increase) in prepaid expenses and other	(180,155)	(776,296)
Decrease/(Increase) in deferred outflows	(3,788,244)	2,111,283
Increase in accounts payable and other accrued liabilities	(250,011)	405,526
Increase in accrued payroll and compensated absences	(226,220)	862,697
(Decrease)/Increase in net pension liability	(4,360,334)	(5,717,714)
Increase in net OPEB liability	372,684	1,959,579
(Decrease)/Increase in deferred inflows	7,736,725	2,580,611
Capitalized wages	(1,520,323)	(2,138,915)
Other (disbursements) receipts	(173,573)	202,473
Net cash provided by operating activities	\$ 44,381,759	\$ 52,108,328
Noncash investing, capital, and financing activities:		
Unrealized (gain) loss on investments	\$ 6,796,276	\$ (1,793,999)
Amortization of bond premium	(3,289,282)	(2,801,677)
Amortization of 2019B bond deferred inflow of resources	(267,809)	(267,809)
Loss on retirement of capital assets	1,270,399	262,363
Capital contributions - sewer connection fees current period	(14,704,155)	(14,493,740)

See accompanying notes to basic financial statements.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Basic Financial Statements

**Statements of Fiduciary Net Position**  
**Pension Trust Fund**  
**December 31, 2021 and 2020**

	<b>2021</b>	<b>2020</b>
<b>Assets</b>		
Cash and short-term investments	\$ 1,163,735	\$ 1,145,410
Investments, at fair value:		
Public equity	74,752,470	56,750,175
Mutual funds	13,800,630	10,540,538
Private equity	9,944,308	5,441,707
Fixed rate debt	19,833,178	26,648,753
Stable value funds	985,442	1,031,341
Floating rate debt	11,190,345	4,688,571
Low volatility strategies	340,724	6,427,219
Real estate	19,282,986	15,736,902
<b>Total assets</b>	<b>151,293,818</b>	<b>128,410,616</b>
<b>Liabilities</b>		
Accrued administrative expenses	28,920	42,569
<b>Fiduciary net position</b>		
Restricted for pension benefits	\$ 151,264,898	\$ 128,368,047

See accompanying notes to basic financial statements.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Basic Financial Statements

**Statements of Changes in Fiduciary Net Position**  
**Pension Trust Fund**  
**Years ended December 31, 2021 and 2020**

	<b>2021</b>	<b>2020</b>
Additions:		
Investment income		
Net appreciation in fair value of investments	\$ 20,070,666	\$ 12,951,321
Interest and dividend income	1,665,474	1,211,724
Less investment expense	(358,297)	(398,795)
Net investment income	21,377,843	13,764,250
Contributions from employer	9,139,670	7,124,950
Contributions from employees	2,398,830	2,657,729
Total additions	32,916,343	23,546,929
Deductions:		
Benefit payments	9,939,981	8,884,548
Administrative expenses	79,511	67,804
Total deductions	10,019,492	8,952,352
Net increase in fiduciary net position	22,896,851	14,594,577
Fiduciary net position restricted for pension benefits:		
Beginning of year	128,368,047	113,773,470
End of year	\$ 151,264,898	\$ 128,368,047

See accompanying notes to basic financial statements.



**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Notes to the Basic Financial Statements

**(1) Organization**

**(a) Organization**

Metro Water Recovery (Metro) was created in May 1961 pursuant to the Colorado Revised Statutes and is a governmental subdivision of the State of Colorado, with powers specifically granted and reasonably implied therefrom and necessary to carry out the objectives and purposes of Metro. Metro's facilities are used primarily to transport and treat sewage from the sewer systems of various connectors in the greater metropolitan Denver area.

The income generated by Metro, as an instrumentality of the State of Colorado, is excluded from federal income taxes under Section 115 of the Internal Revenue Code. In addition, pursuant to the provisions of the Colorado Revised Statutes, Metro is exempt from sales, property, and state income taxes.

**(b) Financial Reporting Entity**

Metro is not a component unit of the State of Colorado or any other municipality of the State of Colorado. It is a stand-alone governmental entity. The scope of Metro's public services encompasses only a limited portion of the State of Colorado. Accordingly, it is considered an enterprise under Section 20, Article X of the Colorado Constitution.

The Pension Trust Fund is reported separately from Metro and includes two different retirement plans. The Metro Water Recovery Defined Benefit Plan (the Defined Benefit Plan) is a single-employer, defined benefit plan covering all employees of Metro hired on or before December 31, 2012 (note 7). Metro contributes to the Defined Benefit Plan based upon actuarial studies and has primary responsibility for management of the Defined Benefit Plan as all Defined Benefit Retirement Board members are appointed by Metro's Board of Directors. Metro also provides all accounting, reporting, and administrative services to the Defined Benefit Plan. Metro has fiduciary responsibility for the Defined Benefit Plan. Accordingly, an evaluation of the Defined Benefit Plan using the above considerations results in the inclusion of the Defined Benefit Plan in the accompanying basic financial statements as a fiduciary fund of Metro. The Defined Benefit Plan issues stand alone financial statements, which may be obtained from Metro.

The Metro Water Recovery Defined Contribution Plan (the Defined Contribution Plan) is a single-employer defined contribution plan, which includes five 401(a) plans. The primary plan is for all new employees hired on and after January 1, 2013. Employees in the primary Defined Contribution Plan are required to contribute 6% of their earnings to the Defined Contribution Plan. Metro matches the mandatory employee contributions with an additional 6% contribution. Employee contributions are deducted from each bi-weekly paycheck, and this amount together with Metro's matching portion, is sent each payday to the Defined Contribution Plan's administrator, the International City/County Management Association (Mission Square). As of December 31, 2021 and 2020 there were 247 and 225 active plan members. The Defined Contribution Plan is governed by the Defined Contribution Retirement Board, the members of which are appointed by Metro management and Metro Board of Directors. Accordingly, an evaluation of the Defined Contribution Plan using the above considerations results in the inclusion of the Defined Contribution Plan in the accompanying basic financial statements as a fiduciary fund of Metro.

**(c) Fund Accounting**

The accounts of Metro are organized into two separate funds, each of which is considered a separate accounting entity. The operations of each fund are accounted for with a separate set of self-balancing accounts that comprise its assets, deferred outflows of resources, liabilities, deferred inflows of

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resources, net position, revenue, and expenses. Government resources are allocated to and accounted for in individual funds based upon the purposes for which they are to be spent and the means by which spending activities are controlled.

The financial activity of Metro is accounted for in two funds:

*Enterprise Fund* – The Enterprise Fund is used to account for any activity for which a fee is charged to external users for goods or services.

*Pension Trust Fund* – Pension Trust Fund for the Defined Benefit Plan and Defined Contribution Plan is maintained to account for assets held by Metro in a trustee capacity for active and retired employees.

**(2) Summary of Significant Accounting Policies**

**(a) Basis of Accounting**

The Enterprise and Pension Trust Fund, for financial reporting purposes, are accounted for on the flow of economic resources measurement focus and use the accrual basis of accounting. Under this method, revenues are recorded when earned, and expenses are recorded at the time liabilities are incurred.

**(b) Restricted Assets**

Separate accounts are provided in accordance with bond resolutions and utilized to segregate restricted assets from unrestricted assets. Related liabilities, payable from these restricted assets, are also segregated and utilized in determining financial position.

**(c) Cash and Cash Equivalents**

For purposes of the statement of cash flows, Metro considers all highly liquid investments (including restricted assets) with a maturity of three months or less when purchased to be cash equivalents.

**(d) Capital Assets**

Metro records its plant and equipment at cost, or estimated historical cost, if actual cost is not available. Donated capital assets or donated works of art and similar items, and capital assets received in as capital contributions are valued at fair value on the date donated. Assets are capitalized when they are greater than \$10,000 and have a service life greater than one year. Depreciation on facilities and equipment is charged as an expense against operations. Depreciation has been computed using the straight-line method over the following estimated useful lives:

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	<b>Estimated useful life in years</b>
Plant in service:	
Transmission	10 – 50
Treatment	8 – 50
Solids processing	5 – 50
Solids recycling	5 – 50
Support	5 – 50
Equipment and vehicles:	
Plant	10 – 50
Support	3 – 50
Vehicles	5 – 20

Expenditures for repairs and maintenance are expensed as incurred. Major renewals, replacements, and betterments are capitalized. Upon retirement or disposition, the cost and accumulated depreciation of such assets are removed from the accounts, and the resulting gain or loss is included in the change in net position. Major outlays for utility plant and equipment are capitalized as projects are constructed.

**(e) Investments**

Metro’s investments are carried at fair value based upon market quotations, with the exceptions of investments held in the Colorado Statewide Investment Pool, which are carried at amortized cost. The Pension Trust Funds investments are also carried at fair value based upon market quotations, with the exception of real estate investments. These investment valuations are based upon an independent, third-party appraisal of each property. These appraisals are based upon a portfolio overview and updated cash flow modeling. See Note 7(b)(iii) for additional information.

**(f) Materials and Supplies Inventories**

Metro records its materials and supplies inventories at the lower of moving average cost. These materials and supplies are not held for resale. The inventory is charged to operations and maintenance expense as the items are used. As of December 31, 2021 and 2020, Metro had loss reserves of \$250,000 for obsolete materials and supplies.

**(g) Deferred Outflows of Resources and Deferred Inflows of Resources**

Changes in the components of the net pension liability is reported as a deferred outflow of resources or a deferred inflow of resources. The changes in the components of the net pension liability reported by the Defined Benefit Plan have resulted in deferred outflows of resources of \$8,261,585 and \$4,851,649 and deferred inflows of resources of \$13,421,420 and \$6,074,648 for December 31, 2021 and December 31, 2020, respectively. See Note 7 for additional information.

Changes in the components of the net OPEB liability is reported as deferred outflow of resources and deferred inflow of resources. The changes in the components of the net OPEB liability reported by Metro have resulted in deferred outflows of resources of \$2,592,941 and \$2,214,633 and deferred inflows of resources of \$937,037 and \$279,276 for December 31, 2021 and December 31, 2020, respectively. See Note 8 for additional information.

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The 2019B Series Refunding bonds resulted in a difference between the reacquisition price and the net carrying amount of the old debt, reported as a deferred inflow of resources of \$5,088,366 and \$5,356,174 as of December 31, 2021 and December 31, 2020, respectively. See Note 6 for additional information.

**(h) Net Position**

Net position is classified as follows:

*Net Investment in capital assets* – This represents the total investment in capital assets, net of accumulated depreciation, outstanding debt obligations and deferred gain on refunding (less unspent bond proceeds) related to those capital assets.

*Restricted net position – bonds* – Restricted net position – bonds includes resources in which Metro is legally or contractually obligated to spend resources in accordance with restrictions imposed by debt agreements.

*Restricted net position – board of directors* – Restricted net position – board of directors includes resources in which the Board of Directors has identified to be used for a specific purpose through a Board action.

*Unrestricted net position* – Unrestricted net position represents resources derived from annual charges to connectors, septic charge revenue, and other revenues. These resources are used for transactions relating to the operations of Metro and may be used to meet current expenses for any purposes.

When an expenditure is incurred for purposes for which both restricted and unrestricted net position are available, restricted resources are considered expended.

**(i) Classification of Revenues and Expenses**

Metro has classified revenues and expenses as operating, nonoperating, or capital contributions according to the following criteria:

*Operating revenue and expenses* – Revenue and expenses that result from providing wholesale wastewater transmission, treatment, and disposal services to 50 connectors, including cities, towns, special districts, and industrial users.

*Nonoperating revenue and expenses* – Revenues and expenses that are not included as operating revenues. Nonoperating revenue includes investment income and rebates from the Build America Bonds program. Nonoperating expenses include interest expense on outstanding bonds and other nonoperating expenses.

*Capital contributions* – Revenues that include sewer connection fees.

**(j) Sewer Connection Fees**

Metro charges fees for new sewer connections. Sewer connection fee receipts are used for payment of principal and interest on bonds issued to finance capacity-related facility improvements and to otherwise pay for such facilities.

**(k) Compensated Absences**

Metro employees earn sick leave at a rate of eight hours per month. Accumulated sick leave in excess of 960 hours is payable at one-half of the cash value at year-end or upon termination.

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Employees are entitled to 10 to 21 days of vacation leave per year depending on their length of service. A maximum of 200 hours of earned vacation leave may be carried forward to subsequent years. Unused vacation leave is paid to the employee upon termination.

Vacation and excess sick pay is recorded as an expense when earned by Metro employees. At December 31, 2021 and 2020, accrued vacation and excess sick pay aggregated \$2,579,765 and \$3,040,860, respectively.

**(l) Use of Estimates in Preparation of Financial Statements**

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ significantly from those estimates.

**(m) New and Future Accounting Pronouncements**

In October 2021, GASB issued Statement No. 98, *The Annual Comprehensive Financial Report*, which is effective for fiscal year 2021. The statement established the term annual comprehensive financial report and its acronym ACFR. Metro implemented this in the current year financial report.

In May 2020, GASB issued Statement No. 95, *Postponement of the Effective Dates of Certain Authoritative Guidance*, which is effective for fiscal year 2020. The primary objective of this Statement is to provide temporary relief to governments and other stakeholders in light of the COVID-19 pandemic. This Statement postponed dates of certain provisions, including Statement No. 87, Leases and Statement No. 93, Replacement of Interbank Offered Rates. Statement No. 87 was postponed by 18 months, extending the date of implementation to fiscal year 2022. Statement No. 93 was postponed by 12 months, extending the date of implementation to fiscal year 2022.

In June 2017, GASB issued Statement No. 87, *Leases*. The objective of this Statement is to better meet the information needs of financial statement users by improving accounting and financial reporting for leases by governments. It establishes a single model for lease accounting based on the foundational principal that leases are financings of the right to use an underlying asset. As noted above, the implementation date has been extended by Statement No. 95, to fiscal year 2022. Metro is determining the impact to the financial statements for fiscal year 2022.

In March 2020, GASB issued Statement No. 93, *Replacement of Interbank Offered Rates*. The objective of this Statement is to address the accounting and financial reporting implications that result in the replacement of IBOR. As noted above, the implementation date has been extended by Statement No. 95 to fiscal year 2022. Metro is determining the impact to the financial statements for fiscal year 2022.

In June 2020, GASB issued Statement No. 97, *Certain Component Unit Criteria, and Accounting and Financial Reporting for Internal Revenue Code Section 457 Deferred Compensation Plans*. The requirements of this Statement will result in more consistent financial reporting of defined contribution plans, defined contribution OPEB plans, and other employee benefit plans, while mitigating the costs associated with reporting these plans. The implementation date is fiscal year 2022. Metro is determining the impact to the financial statements for fiscal year 2022.

**(n) Restatement of Previously Reported Amounts of Depreciation Expense, Accumulated Depreciation and Net Position**

During fiscal year ended December 31, 2021, an error was discovered related to incorrect calculation of depreciation expense on certain capital asset additions in the system in accordance with the date

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### Notes to the Basic Financial Statements

placed in service. As a result, depreciation expense and accumulated depreciation have been understated during 2021 and in prior periods.

The cumulative effect of the error correction to Metro's financial statements as of the year ended December 31, 2020, is summarized in the table below related to the statement of net position.

	As originally presented 2020	Restatement	As restated 2020
Noncurrent assets:			
Depreciable capital assets, net:			
Plant in service	\$ 621,093,356	\$ (785,807)	\$ 620,307,549
Equipment and vehicles	408,578,979	(5,214,741)	403,364,238
Net capital assets	<u>1,253,587,935</u>	<u>(6,000,548)</u>	<u>1,247,587,387</u>
Total assets	<u>\$ 1,746,110,329</u>	<u>\$ (6,000,548)</u>	<u>\$ 1,740,109,781</u>
Net position:			
Unrestricted	172,167,463	-	172,167,463
Restricted	242,006,752	-	242,006,752
Net investment in capital assets	<u>577,939,549</u>	<u>(6,000,548)</u>	<u>571,939,001</u>
Total net position	<u>\$ 992,113,764</u>	<u>\$ (6,000,548)</u>	<u>\$ 986,113,216</u>

The cumulative effect of the error correction to Metro's financial statements for the year ended December 31, 2020, is summarized in the table below related to the statements of revenue, expenses, and changes in net position, and cash flows. Beginning net position in 2020 has also been restated for depreciation expense related to years prior to 2020. The total adjustment to beginning net position in 2020 was \$2,672,122.

	As originally presented 2020	Restatement	As restated 2020
Depreciation and amortization expense	\$ 51,526,116	\$ 3,328,426	\$ 54,854,542
Operating income (loss)	<u>1,369,140</u>	<u>3,328,426</u>	<u>(1,959,286)</u>
Income (loss) before capital contributions	<u>(5,225,525)</u>	<u>3,328,426</u>	<u>(8,553,951)</u>
Increase in net position	47,061,699	(3,328,426)	43,733,273
Net position, beginning of year	<u>945,052,065</u>	<u>(2,672,122)</u>	<u>942,379,943</u>
Net position, end of year	<u>\$ 992,113,764</u>	<u>\$ (6,000,548)</u>	<u>\$ 986,113,216</u>
Reconciliation of operating income to net cash:			
Operating income (loss)	\$ 1,369,140	\$ (3,328,426)	\$ (1,959,286)
Adjustments to reconcile operating income to net cash provided by operating activities:			
Depreciation expense	<u>51,526,116</u>	<u>3,328,426</u>	<u>54,854,542</u>
Net cash provided by operating activities	<u>\$ 52,108,328</u>	<u>\$ -</u>	<u>\$ 52,108,328</u>

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**(3) Cash and Investments**

As of December 31, 2021 and 2020, Metro and the Pension Trust Fund had the following cash and investments:

	<b>December 31,</b>	
	<b>2021</b>	<b>2020</b>
Metro (excluding the Pension Trust Funds):		
Cash and cash equivalents		
Deposits	\$ 4,739,532	\$ 4,857,516
Local government investment pool (CSAFE)	63,293,109	70,503,801
Colorado Statewide Investment Pool	40,924,981	91,969,468
Certificates of Deposit, less than 90 days	14,730,136	—
U.S. Agency securities, less than 90 days	—	1,720,464
Total cash and cash equivalents	123,687,758	169,051,249
Investments		
U.S. Treasury Notes	119,876,055	83,383,056
U.S. Agency securities, including mortgage-backed securities	113,525,271	139,806,479
Certificates of Deposit	31,115,686	26,578,783
Comercial Paper	19,420,971	23,972,064
Municipal bonds	1,457,851	3,534,334
Corporate bonds	15,417,138	22,004,612
Total cash and investments	\$ 424,500,730	\$ 468,330,577
Pension Trust Funds:		
Cash and short-term investments	\$ 1,163,735	\$ 1,145,410
Public equity	74,752,470	56,750,175
Mutual funds	13,800,630	10,540,538
Private equity	9,944,308	5,441,707
Fixed rate debt	19,833,178	26,648,753
Stable value funds	985,442	1,031,341
Floating rate debt	11,190,345	4,688,571
Low volatility strategies	340,724	6,427,219
Real estate	19,282,986	15,736,902
	\$ 151,293,818	\$ 128,410,616

**(a) Cash Deposits**

Colorado statutes require that Metro use eligible public depositories as defined by the Public Deposit Protection Act (PDPA). Under the PDPA, the depository is required to pledge eligible collateral having a market value at all times equal to at least 102% of the aggregate public deposits held by the depository not insured by the Federal Deposit Insurance Corporation.

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Eligible collateral, as defined by the PDPA, primarily includes obligations of, or guarantees by, the U.S. government, the State of Colorado, or any political subdivision thereof, and obligations evidenced by notes secured by first lien mortgages or deeds of trust on real property.

**(b) *Restricted Cash and Cash Equivalents, and Investments***

Restricted cash and cash equivalents and investments are restricted for the current payment of principal and interest on outstanding bonds as required by debt covenants and amounts restricted by the Board of Directors for a specific purpose.

**(c) *Investment Policy***

Metro is authorized by Colorado Statute to invest in various types of instruments that include but are not limited to the following:

- Obligations of the United States, certain U.S. government agency securities and the World Bank
- General obligation and revenue bonds of U.S. local government entities
- Bankers' acceptances of certain banks
- Written repurchase agreements collateralized by certain authorized securities
- Commercial paper
- Certain money market funds
- Guaranteed investment contracts
- Local government investment pools
- Certain reverse repurchase agreements
- Certain certificates of participation
- Certain securities lending transactions

Metro, excluding the Pension Trust Fund, has an investment policy that regulates investments in securities that have objectives of preservation of capital and protection of investment principal, maintenance of sufficient liquidity to meet Metro's financial obligations, diversification to avoid incurring unreasonable market risks, and attainment of a market rate of return throughout budgetary and economic cycles. Eligible securities are specific to Colorado State Statutes and Metro's bond indenture agreements. The indenture agreements limit the number of U.S. Agency issuers to three creating a concentration of credit risk, but each security in the investment portfolio is rated AAA or AA+. All securities owned by Metro are in conformity with the investment policy.

The Defined Benefit Plan has an investment policy that regulates investments by hiring a qualified investment consultant to oversee qualified investment management firms who manage the assets of the Defined Benefit Plan. The investment policy establishes an asset allocation strategy, investment objectives, and investment guidelines for all assets. The asset allocation strategy is designed to be consistent with the safety and return objectives of the Defined Benefit Plan and includes allowable



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global equity, debt, alternatives, and real estate investments. All securities and investments owned by the Defined Benefit Plan are in conformity with the investment policy.

The Defined Benefit Plan’s allowable investments in equities, fixed income, and real estate are limited to qualified investment managers.

The Defined Benefit Plan’s policy in regard to the allocation of invested assets is established and may be amended by the Metro Water Recovery Retirement Board by a majority vote of its members. The investment policy calls for cash reserves to be held in money market funds in the Plan’s operating account at the Trustee bank at a level based on the liquidity needs as determined by Metro finance staff. The following was the Retirement Board’s asset allocation policy as of December 31, 2021.

<u>Investment Type</u>	<u>Target Allocation</u>	<u>Target Range</u>
Public equity	55.00%	40%-65%
Private equity	5.00%	0%-10%
Fixed rate debt	15.00%	10%-30%
Floating rate debt	10.00%	5%-15%
Real estate	15.00%	10%-20%
	100.00%	

The Defined Contribution Plan has an investment policy statement (IPS) that provides for investment objectives within the plan. The primary objective of the IPS is to provide participants with a diverse set of investment options that encompass a variety of risk/return characteristics from which the participant can self-direct their portfolio in a diversified manner. The Defined Contribution Board is responsible for selecting and monitoring investments options, while the participant selects in which option(s) they shall invest.

**(d) Credit Risk**

Metro manages credit risk by requiring all investments, including the use of external investment pools and money market funds, AAA, AAA-G, AAAM, AA+, AA or AA-, and including commercial paper, be P-1 or A-1 rated by nationally recognized rating agencies. All securities held by Metro meet the credit quality objective.

As of December 31, 2021, Metro invested \$15,417,138 in corporate bonds. The credit ratings for the corporate bonds are based on Standard and Poor’s rating scale, and were as follows: \$10,725,712 were rated AA-, \$2,662,546 were rated AA+, and \$2,028,880 were rated AAA.

As of December 31, 2020, Metro invested \$22,004,612 in corporate bonds. The credit ratings for the corporate bonds are based on Standard and Poor’s rating scale, and were as follows: \$3,591,345 were rated A+, \$2,602,205 were rated AA, \$11,005,991 were rated AA-, \$2,733,271 were rated AA+ and \$2,071,800 were rated AAA.

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The following is a summary of the Pension Trust Fund's debt investments at December 31, 2021 and 2020 with average credit ratings of underlying investments based on Standard & Poor's rating scale:

	<b>December 31,</b>	
	<b>2021</b>	<b>2020</b>
Western Asset Management Core Plus Bond Fund IS		
Fair value	\$ 12,780,869	\$ 14,015,674
Average rating	Not rated	Not rated
JP Morgan Core Bond Fund		
Fair value	\$ 7,052,309	\$ 12,633,079
Average rating	Not rated	Not rated
Bain Senior Loan Fund		
Fair value	\$ 6,610,007	\$ —
Average rating	Not rated	n/a
Golub Capital Partners International 11, L.P.		
Fair value	\$ 1,750,000	\$ 1,750,000
Average rating	Not rated	Not rated
Principal Real Estate Debt Fund II		
Fair value	\$ 1,373,845	\$ 2,242,062
Average rating	Not rated	Not rated
Principal Real Estate Debt Fund III		
Fair value	\$ 1,456,493	\$ 696,509
Average rating	Not rated	Not rated
First American Money Market Government Obligations Fund		
Fair value	\$ 969,772	\$ 1,085,291
Average rating	AAAm	AAAm
VT Cash Management Fund		
Fair value	\$ 176,471	\$ 60,099
Average rating	Not rated	Not rated

The Defined Contribution Plan has no credit risk.

**(e) Custodial Credit Risk**

Metro has no custodial credit risk. All securities are registered in the name of Metro and held by a third-party safekeeping agent. Investments in money market mutual funds are not exposed to custodial risk because their existence is not evidenced by securities that exist in physical or book entry form.

Custodial credit risk is the risk that in the event of a bank failure, the Defined Benefit Plan's deposits may not be returned to it. All securities are registered in the name of US Bank as the Trustee for the Plan and held by third-party safekeeping agents. Investments in money market mutual funds are not exposed to custodial risk because their existence is not evidenced by securities that exist in physical or book entry form. Other deposits may include small amounts of cash held for short periods of time prior to investment. These deposits are insured by FDIC up to \$250,000. As of December 31, 2021, the Defined Benefit Plan's deposits had a balance of \$0. As of December 31, 2020, the Defined Benefit Plan's deposits had balance of \$10.

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The Defined Contribution Plan has no custodial credit risk. All securities held in trust for the participants at ICMA-RC. Investments in money market mutual funds are not exposed to custodial risk because their existence is not evidenced by securities that exist in physical or book entry form.

**(f) Concentration of Credit Risk**

Metro has a concentration of credit risk where it holds more than 5% of its investment portfolio in any one security issuer, other than those explicitly guaranteed by the U.S. government. Metro's investment policy and bond indenture agreements restrict investments in U.S. Agency issuers to the three listed below:

	<b>Moody's Investor Service</b>	<b>Standard &amp; Poor's</b>
Federal Home Loan Bank (FHLB)	Aaa Rated	AA+ Rated
Federal Home Loan Mortgage Corp (FHLMC)	Aaa Rated	AA+ Rated
Federal National Mortgage Association (FNMA)	Aaa Rated	AA+ Rated

As a result, each issuer represents more than 5% of the total investments, and all securities are AAA or AA+ as rated by nationally recognized rating agencies. The following U.S. Agency securities are in excess of 5% of total investments:

<b>Issuer</b>	<b>December 31,</b>			
	<b>2021</b>		<b>2020</b>	
	<b>Amount</b>	<b>Percentage of portfolio</b>	<b>Amount</b>	<b>Percentage of portfolio</b>
FHLB	\$ 13,087,504	3.12%	\$ 19,279,911	4.16%
FHLMC	35,569,363	8.47	41,202,621	8.89
FNMA	64,868,404	15.45	75,389,378	16.27
	\$ 113,525,271		\$ 135,871,910	

A concentration of credit risk exists for the Pension Trust Fund if they hold more than 5% of the investment portfolio in any one security issuer, other than those explicitly guaranteed by the U.S. government. Mutual funds, external investment pools, and other pooled investments are also excluded from this requirement. The Pension Trust Fund has no concentration of credit risk as of December 31, 2021 and 2020.

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(g) **Interest Rate Risk**

Metro has no formal policy to manage interest rate risk. Colorado revised statutes limit investment maturities to five years or less unless formally approved by the Board of Directors. Such actions are generally associated with a debt service reserve or sinking fund requirements. Metro uses duration as the method to identify and manage interest rate risk. Duration measures exposure to fair value changes arising from changing interest rates. Duration uses the present value of cash flows weighted for those cash flows as a percentage of the full price of the investments. A large duration indicates more price sensitivity to changing interest rates. Each security purchased has a duration analysis, and the entire portfolio has a duration calculation weighted based on the size of each investment. As of December 31, 2021 and 2020, the duration for Metro's investments was as follows:

Type	December 31, 2021		
	Fair value	Duration in Years	Call options at 100
U.S. Agency securities	\$ 113,525,271	1.89	\$ 16,640,000
U.S. Treasury Notes	119,876,055	2.39	—
Corporate Bonds	15,417,138	0.71	6,125,000
Municipal Bonds	1,457,851	3.42	
Certificates of Deposit	31,115,686	0.74	—
Commercial Paper	19,420,971	0.55	—
Total fair value	\$ 300,812,972		

Type	December 31, 2020		
	Fair value	Duration in Years	Call options at 100
U.S. Agency securities	\$ 139,806,479	2.77	\$ 18,979,469
U.S. Treasury Notes	83,383,056	2.51	—
Corporate Bonds	22,004,612	1.44	8,982,567
Municipal Bonds	3,534,334	2.97	
Certificates of Deposit	26,578,783	1.16	—
Colorado Statewide Investment Pool	23,972,064	0.50	—
Total fair value	\$ 299,279,328		

As of December 31, 2021 and 2020, Metro invested \$63,293,109 and \$70,053,801, respectively, in Colorado Surplus Asset Fund Trust (CSAFE), an investment vehicle established for local governments in Colorado to pool surplus funds. The State Securities Commissioner administers and enforces all State statutes governing CSAFE. CSAFE operates similarly to a money market fund, and each share is equal in value to \$1.00, and are rated AAAM by Standard and Poor's rating scale. The weighted average maturity of these investments was fewer than 41 days and 34 days as of December 31, 2021 and 2020, respectively.

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The Pension Trust Fund investment policy manages its exposure to fair value losses arising from rising interest rates by specific guidelines for debt managers. As of December 31, 2021 and 2020, the Pension Trust Fund held the following debt investments.

	<b>December 31,</b>	
	<b>2021</b>	<b>2020</b>
Western Asset Management Core Plus Bond Fund IS		
Balance	\$ 12,780,869	\$ 14,015,674
Modified duration (in years)	7.3	12.7
JP Morgan Core Bond Fund		
Balance	\$ 7,052,309	\$ 12,633,079
Modified duration (in years)	6.0	7.6
Bain Senior Loan Fund		
Balance	\$ 6,610,007	\$ —
Modified duration (in years)	0.3	n/a
Golub Capital Partners International 11, L.P.		
Balance	\$ 1,750,000	\$ 1,750,000
Modified duration (in years)	not available	not available
Principal Real Estate Debt Fund II		
Balance	\$ 1,373,845	\$ 2,242,062
Modified duration (in years)	0.5	1.1
Principal Real Estate Debt Fund III		
Balance	\$ 1,456,493	\$ 696,509
Modified duration (in years)	1.7	1.4

Investments in money market funds of \$1,146,243 and \$1,145,390 as of December 31, 2021 and 2020, respectively, have an average maturity of fewer than 22 and 45 days, respectively.

**(h) Foreign Currency Risk**

Metro Water Recovery and Defined Contribution Plan were not exposed to foreign currency risk as of December 31, 2021 and 2020. For 2021 and 2020, the Defined Benefit Plan's investments managed exposure to foreign currency risk by limiting the allocation percentage of interest of global equity investments to 28.0% and 25.0%, respectively. The global equities in which the Defined Benefit Plan has invested have a fair value of \$38,118,035 and \$32,131,498, or 28.0% and 27.5% of the total portfolio at December 31, 2021 and 2020, respectively. Each fund is valued in U.S. dollars with exposure to various worldwide currencies. Any over allocation of funds are rebalanced on a regular basis.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Notes to the Basic Financial Statements

(i) **Investment Income**

Investment income for Metro, excluding the Pension Trust Fund, for the years ended December 31, 2021 and 2020 was comprised of the following:

	<b>December 31,</b>	
	<b>2021</b>	<b>2020</b>
Investment income	\$ 3,233,685	\$ 4,283,252
Net realized gain / (loss) on investments	1,428,579	1,928,611
Net unrealized gain (loss) on investments	(6,796,276)	1,793,999
<b>Total</b>	<b>\$ (2,134,012)</b>	<b>\$ 8,005,862</b>

Investment income for the Pension Trust Fund for the years ended December 31, 2021 and 2020 was comprised of the following:

	<b>December 31,</b>	
	<b>2021</b>	<b>2020</b>
Interest and dividend income	\$ 1,665,474	\$ 1,211,724
Net realized gain on investments	14,418,200	2,989,647
Net unrealized gain on investments	5,652,466	9,961,674
	21,736,140	14,163,045
Less investment expense	(358,297)	(398,795)
Net investment income	<b>\$ 21,377,843</b>	<b>\$ 13,764,250</b>

The calculation of realized gains is independent of the calculation of the net change in the fair value of investments. Realized gains and losses on investments that had been held in more than one fiscal year and sold in the current year may have been recognized as an increase or decrease in the fair value of investments reported in the prior year.

(j) **Fair Value**

The Enterprise and Pension Trust Funds categorize its fair value measurements within the fair value hierarchy established by generally accepted accounting principles.

For investments categorized as Level 1, prices are determined using quoted prices in active markets for identical securities. For investments categorized as Level 2, prices are determined using other significant observable inputs. Observable inputs are inputs that reflect the assumptions market participants would use by pricing a security and are developed based on market data obtained from sources independent of the reporting entity. These may include quoted market prices for similar assets, quoted prices for identical assets in markets that are not active or other quoted prices that are not observable. For investments categorized at Level 3, prices are determined using inputs that are not observable.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Notes to the Basic Financial Statements

Metro has the following recurring fair value measurements as of December 31, 2021 and 2020:

Investments Measured at Fair Value

	12/31/2021	Fair Value Measurement Using		
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Investments by fair value				
U.S. Agency securities	\$ 113,525,271	\$ 113,525,271	\$ -	\$ -
U.S. Treasury notes	119,876,055	119,876,055	-	-
Certificates of deposit	45,845,822	-	45,845,822	-
Commerical paper	19,420,971	-	19,420,971	-
Corporate bonds	15,417,138	15,417,138	-	-
Municipal bonds	1,457,851	1,457,851	-	-
Total investments measured at fair value	<u>315,543,108</u>	<u>250,276,315</u>	<u>65,266,793</u>	<u>-</u>
Investments measured at the net asset value (NAV)				
Colorado statewide investment pool	40,924,981			
Investments held at amortized cost				
LGIP - CSAFE	<u>63,293,109</u>			
Total investments measured at fair value	<u>\$ 419,761,198</u>			

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Notes to the Basic Financial Statements

Investments Measured at Fair Value

	12/31/2020	Fair Value Measurement Using		
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Investments by fair value				
U.S. Agency securities	\$ 141,526,943	\$ 141,526,943	\$ -	\$ -
U.S. Treasury notes	83,383,056	83,383,056	-	-
Commerical paper	26,578,783	-	26,578,783	-
Certificates of deposit	23,972,064	-	23,972,064	-
Corporate bonds	22,004,612	22,004,612	-	-
Municipal bonds	3,534,334	3,534,334	-	-
Total investments measured at fair value	300,999,792	250,448,945	50,550,847	-
Investments measured at the net asset value (NAV)				
Colorado statewide investment pool	91,969,468			
Investments measured at amortized cost				
LGIP - CSAFE	70,503,801			
Total investments measured at fair value	\$ 463,473,061			

For investments measured at the Net Asset Value (NAV), Metro invested in the Colorado Statewide Investment Program, an investment program that provides Colorado local governments with tools for meeting their cash flow and investment needs. Investments are offered through the Colorado Statewide Investment Pool (“CSIP”), a local government investment pool authorized under 24-75-701 et. Seq. of the Colorado Revised Statutes. Currently, CSIP offers two investment options, 1) CSIP Liquid Portfolio and 2) CSIP Term Portfolio. The CSIP Liquid Portfolio is a fully liquid, variable rate investment option, rated AAAM by Standard and Poor’s. There are no unfunded commitments, the redemption frequency is daily and there is a one-day redemption notice. The CSIP Term Portfolio offers the ability for participants to invest in shares of fixed-rate, fixed-term investments, rated AAAs by Fitch Ratings. There are no unfunded commitments, the redemption period is planned at maturity, and the redemption period is a sixty-day minimum and one-year maximum.



**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Notes to the Basic Financial Statements

The Pension Trust Fund has the following recurring fair value measurements as of December 31, 2021 and December 31, 2020:

Investments Measured at Fair Value

	12/31/2021	Fair Value Measurement Using		
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Investments by fair value				
Public equity	\$ 74,752,470	\$ 74,752,470	\$ -	\$ -
Fixed rate debt	19,833,178	19,833,178	-	-
Mutual funds	13,800,630	13,800,630	-	-
Total investments measured at fair value	<u>108,386,278</u>	<u>108,386,278</u>	-	-
Investments measured at the net asset value (NAV)				
Private equity	9,944,308			
Stable value funds	985,442			
Floating rate debt	11,190,345			
Low volatility strategies	340,724			
Real estate	19,282,986			
Total investment measured at the NAV	<u>41,743,805</u>			
Total investments measured at fair value	<u>150,130,083</u>			
Investments measured at amortized cost				
Money market funds	1,163,735			
Total investments	<u>\$ 151,293,818</u>			

**Metro Water Recovery**  
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Investments Measured at Fair Value

	12/31/2020	Fair Value Measurement Using		
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Investments by fair value				
Public equity	\$ 50,232,688	\$ 50,232,688	\$ -	\$ -
Fixed rate debt	26,648,753	26,648,753	-	-
Mutual Funds	10,540,538	10,540,538	-	-
Total investments measured at fair value	<u>87,421,979</u>	<u>87,421,979</u>	-	-
Investments measured at the net asset value (NAV)				
Public equity	6,517,487			
Private equity	5,441,707			
Stable value funds	1,031,341			
Floating rate debt	4,688,571			
Low volatility strategies	6,427,219			
Real estate	<u>15,736,902</u>			
Total investment measured at the NAV	<u>39,843,227</u>			
Total investments measured at fair value	<u>127,265,206</u>			
Investments measured at amortized cost				
Money market funds	1,145,390			
Total investments	<u>\$ 128,410,596</u>			

## Metro Water Recovery

For the Years Ended December 31, 2021 and 2020

### Notes to the Basic Financial Statements

The valuation method for the Pension Trust Fund's investments at December 31, 2021 measured at the net asset value (NAV) per share (or its equivalent) is presented on the following table.

Investments measured at the NAV	Fair Value	Unfunded Commitments	Redemption Frequency (if Currently Eligible)	Redemption Notice Period
Private equity (2)	\$ 9,944,308	\$ 3,236,321	n/a	n/a
Floating rate debt (3)	11,190,345	3,260,971	monthly, n/a, n/a, n/a	30 days, n/a, n/a, n/a
Low volatility strategies (4)	340,724	-	semi-annually	95 days
Real estate (5)	19,282,986	-	daily based on liquidity	1 day
Stable value funds (6)	985,442	-	daily	n/a
	<u>\$ 41,743,805</u>			

The valuation method for the Defined Benefit Plan's investments at December 31, 2020 measured at the net asset value (NAV) per share (or its equivalent) is presented on the following table.

Investments measured at the NAV	Fair Value	Unfunded Commitments	Redemption Frequency (if Currently Eligible)	Redemption Notice Period
Public equity (1)	\$ 6,517,487	-	daily	n/a
Private equity (2)	5,441,707	4,772,335	n/a	n/a
Floating rate debt (3)	4,688,571	4,222,721	monthly, n/a, n/a, n/a	30 days, n/a, n/a, n/a
Low volatility strategies (4)	6,427,219	-	semi-annually	95 days
Real estate (5)	15,736,902	-	daily based on liquidity	1 day
Stable value funds (6)	1,031,341	-	daily	n/a
	<u>\$ 39,843,227</u>			

- (1) In this category, the domestic equity fund invests primarily in US small- and mid-capitalization equities. The fund is a commingled investment trust (CIT). The fund is open-ended with daily redemption. The Defined Benefit Plan's investment in this category were fully liquidated in 2021.
- (2) There are four investments in this category. One fund's primary purpose of developing and actively managing an investment portfolio of private equity funds and other investment vehicles, principally by making, holding and disposing of privately negotiated investments in the form of limited partner interests and securities. The nature of the investments in this type is that distributions are received through the liquidation of the underlying assets of the fund. It is estimated that the underlying assets of the partnership would be liquidated over 12 to 15 years.

The second fund invests predominantly in U.S. venture capital-focused funds on a primary and secondary basis. Partnership investments will include start-up, early-stage, late-stage and growth equity funds as well as secondary funds focusing on direct investments in venture-backed and/or technology companies. The fund may re-invest proceeds of portfolio investments; provided, however, that the acquisition costs of all portfolio investments will not exceed 110% of aggregate subscriptions. The nature of the investments in this type is that distributions are received through the liquidation of the underlying assets of the fund. It is expected that the underlying assets of the fund would be liquidated over 12 years.

The third fund invests predominantly in North American and Western Europe value orientated equity investments. Partnership investments are generally traditional middle market buyouts of out-of-favor industries and companies focusing on investments in media, financial services, energy,

## **Metro Water Recovery**

For the Years Ended December 31, 2021 and 2020

### Notes to the Basic Financial Statements

and industrial companies. The nature of the investments in this type is that distributions are received through the liquidation of the underlying assets of the fund. It is expected that the underlying assets of the fund would be liquidated over 10 to 13 years.

The fourth fund invests in global venture capital direct partnership investments. Investments are primarily core venture capital, with about 25% representing seed and early stage partnerships. It is estimated that 60% of investments will be in the US and 40% allocated to international groups. Investments address a broad range of business opportunities primarily related to or enabled by technology. The fund may re-invest proceeds of portfolio investments; provided, however, that the acquisition costs of all portfolio investments will not exceed 115% of aggregate subscriptions, including secondary opportunities. Distributions are received through the liquidation of the underlying assets of the fund. It is expected that the underlying assets of the fund would be liquidated over 12 years.

- (3) There are three investments in the floating rate debt category.

The first and second investments are funds that invest in higher yielding private commercial real estate debt investments, including subordinate debt investments, such as mezzanine debt, b-notes, and senior mortgages, such as bridge loans and participating construction permanent loans. Distributions of net cash flow to investors will be made on at least a quarterly basis, as available, and it is estimated that the underlying investments of the partnership would be liquidated over 7 to 10 years.

The third investment is a fund that invests primarily in senior secured, floating rate middle market loans. Distributions of net income will be made on a quarterly basis, or more frequently at the General Partner's discretion. It is expected that the underlying assets of the fund would be liquidated over 10 years.

- (4) There is one investment in the low volatility strategies category. This fund invests in U.S. and non-U.S. investment partnerships and companies, managed funds, separately managed accounts, securities and commodities with the primary objective to provide strong downside protection qualities and to produce attractive long-term risk-adjusted returns. Funds may be withdrawn with 95 days' notice on June 30 or December 31. The fund is open-ended. The Plan's investment in this category were partially liquidated in 2021, with the remaining amount to be liquidated in 2022.
- (5) This fund invests in a well-diversified real estate portfolio that reflects the overall performance of the U.S. commercial real estate market, consisting primarily of high quality, well-leased real estate properties in the multifamily, industrial, office, retail, and hotel sectors. The fund is open ended, and funds may be withdrawn daily subject to the availability of liquidity and the absence of a withdrawal queue with one-day written notice.
- (6) This category includes two funds, which are investment options of the defined contribution plan(s), which are designed to preserve capital and which are invested 100% in other capital preservation funds. Shares may be redeemed daily by participants.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Notes to the Basic Financial Statements

**(4) Capital Assets**

For the year ended December 31, 2020, changes in capital assets consisted of the following:

	Balance at December 31, 2019	Additions	Disposals	Adjustments or transfers	Balance at December 31, 2020 as restated
<b>Nondepreciable:</b>					
Land and water rights	\$ 43,468,189	2,274,742	—	—	\$ 45,742,931
Construction in progress	155,177,605	106,835,882	(83,842,384)	1,566	178,172,669
Total nondepreciable assets	<u>198,645,794</u>	<u>109,110,624</u>	<u>(83,842,384)</u>	<u>1,566</u>	<u>223,915,600</u>
<b>Depreciable:</b>					
<b>Plant in service:</b>					
Transmission	310,090,395	9,716,018	(62,388)	4,278	319,748,303
Treatment	417,556,473	1,883,886	(659,794)	(20,215,057)	398,565,508
Solids processing	65,950,485	36,131,544	—	—	102,082,029
Solids recycling	7,497,390	—	—	—	7,497,390
Support	118,213,289	14,163,633	—	157,967	132,534,889
	<u>919,308,032</u>	<u>61,895,081</u>	<u>(722,182)</u>	<u>(20,052,812)</u>	<u>960,428,119</u>
<b>Equipment:</b>					
Plant	503,634,984	18,172,776	(1,932,514)	20,783,066	540,658,312
Support	77,571,938	830,042	(127,514)	711,254	78,985,720
Vehicles	20,412,093	3,336,644	(1,128,837)	233,151	22,853,051
	<u>601,619,015</u>	<u>22,339,462</u>	<u>(3,188,865)</u>	<u>21,727,471</u>	<u>642,497,083</u>
Total depreciable capital assets	<u>1,520,927,047</u>	<u>84,234,543</u>	<u>(3,911,047)</u>	<u>1,674,659</u>	<u>1,602,925,202</u>
<b>Less accumulated depreciation:</b>					
<b>Plant in service:</b>					
Transmission	127,392,751	6,159,230	(54,711)	—	133,497,270
Treatment	92,205,540	17,683,483	(549,538)	—	109,339,485
Solids processing	29,958,905	1,489,963	—	—	31,448,868
Solids recycling	3,916,549	182,150	—	—	4,098,699
Support	58,756,426	2,979,822	—	—	61,736,248
	<u>312,230,171</u>	<u>28,494,648</u>	<u>(604,249)</u>	<u>—</u>	<u>340,120,570</u>
<b>Equipment:</b>					
Plant	162,704,794	19,923,558	(1,560,271)	—	181,068,081
Support	42,317,756	4,584,518	(127,514)	—	46,774,760
Vehicles	10,464,654	1,851,818	(1,026,468)	—	11,290,004
	<u>215,487,204</u>	<u>26,359,894</u>	<u>(2,714,253)</u>	<u>—</u>	<u>239,132,845</u>
Total accumulated depreciation	<u>527,717,375</u>	<u>54,854,542</u>	<u>(3,318,502)</u>	<u>—</u>	<u>579,253,415</u>
Total capital assets, net	<u>\$ 1,191,855,466</u>	<u>138,490,625</u>	<u>(84,434,929)</u>	<u>1,676,225</u>	<u>\$ 1,247,587,387</u>

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Notes to the Basic Financial Statements

For the year ended December 31, 2021, changes in capital assets consisted of the following:

	Balance at December 31, 2020 as restated	Additions	Disposals	Adjustments or transfers	Balance at December 31, 2021
Nondepreciable:					
Land and water rights	\$ 45,742,931	1,100,838	—	—	\$ 46,843,769
Construction in progress	178,172,669	104,044,195	(98,139,510)	(1,215,673)	182,861,681
Total nondepreciable assets	<u>223,915,600</u>	<u>105,145,033</u>	<u>(98,139,510)</u>	<u>(1,215,673)</u>	<u>229,705,450</u>
Depreciable:					
Plant in service:					
Transmission	319,748,303	—	(2,964,160)	79,919	316,864,062
Treatment	398,565,508	6,503,474	—	(5,051)	405,063,931
Solids processing	102,082,029	(13,879,278)	—	3,696,469	91,899,220
Solids recycling	7,497,390	—	(752,439)	—	6,744,951
Support	132,534,889	24,943,986	(3,816,245)	75,355	153,737,985
	<u>960,428,119</u>	<u>17,568,182</u>	<u>(7,532,844)</u>	<u>3,846,692</u>	<u>974,310,149</u>
Equipment:					
Plant	540,658,312	64,003,440	(2,001,656)	(9,505,574)	593,154,522
Support	78,985,720	20,242,800	(12,955,983)	134,808	86,407,345
Vehicles	22,853,051	543,215	(679,117)	—	22,717,149
	<u>642,497,083</u>	<u>84,789,455</u>	<u>(15,636,756)</u>	<u>(9,370,766)</u>	<u>702,279,016</u>
Total depreciable capital assets	<u>1,602,925,202</u>	<u>102,357,637</u>	<u>(23,169,600)</u>	<u>(5,524,074)</u>	<u>1,676,589,165</u>
Less accumulated depreciation:					
Plant in service:					
Transmission	133,497,270	6,193,625	(2,606,198)	—	137,084,697
Treatment	109,339,485	7,969,099	—	(117,434)	117,191,150
Solids processing	31,448,869	1,766,115	—	291,487	33,506,471
Solids recycling	4,098,698	182,150	(752,440)	—	3,528,408
Support	61,736,248	3,419,118	(3,396,321)	(20,736)	61,738,309
	<u>340,120,570</u>	<u>19,530,107</u>	<u>(6,754,959)</u>	<u>153,317</u>	<u>353,049,035</u>
Equipment:					
Plant	181,068,081	33,700,887	(1,497,771)	(178,013)	213,093,184
Support	46,774,760	5,256,505	(12,777,247)	—	39,254,018
Vehicles	11,290,004	1,876,528	(664,778)	—	12,501,754
	<u>239,132,845</u>	<u>40,833,920</u>	<u>(14,939,796)</u>	<u>(178,013)</u>	<u>264,848,956</u>
Total accumulated depreciation	<u>579,253,415</u>	<u>60,364,027</u>	<u>(21,694,755)</u>	<u>(24,696)</u>	<u>617,897,991</u>
Total capital assets, net	<u>\$ 1,247,587,387</u>	<u>147,138,643</u>	<u>(99,614,355)</u>	<u>(6,715,051)</u>	<u>\$ 1,288,396,624</u>

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Notes to the Basic Financial Statements

**(5) Long-Term Liabilities**

A summary of the changes in long-term liabilities for the years ended December 31, 2021 and 2020 is as follows:

	<u>December 31, 2020</u>	<u>Additions</u>	<u>Reductions</u>	<u>December 31, 2021</u>	<u>Amounts due within one year</u>
Bonds payable	\$ 670,292,212	\$ —	\$ (29,934,281)	\$ 640,357,931	\$ 27,675,000
Compensated absences	<u>3,040,860</u>	<u>336,065</u>	<u>(797,160)</u>	<u>2,579,765</u>	<u>167,707</u>
Total noncurrent liabilities	<u>\$ 673,333,072</u>	<u>\$ 336,065</u>	<u>\$ (30,731,441)</u>	<u>\$ 642,937,696</u>	<u>\$ 27,842,707</u>

A summary of the changes in long-term liabilities for the year ended December 31, 2020 is as follows:

	<u>December 31, 2019</u>	<u>Additions</u>	<u>Reductions</u>	<u>December 31, 2020</u>	<u>Amounts due within one year</u>
Bonds payable	\$ 539,842,117	\$ 160,636,772	\$ (30,186,677)	\$ 670,292,212	\$ 26,645,000
Compensated absences	<u>2,426,927</u>	<u>840,122</u>	<u>(226,189)</u>	<u>3,040,860</u>	<u>247,447</u>
Total noncurrent liabilities	<u>\$ 542,269,044</u>	<u>\$ 161,476,894</u>	<u>\$ (30,412,866)</u>	<u>\$ 673,333,072</u>	<u>\$ 26,892,447</u>

**(6) Improvement and Refunding Bonds**

Total outstanding improvement bonds and refunding bonds are summarized below:

<u>Issue</u>	<u>Date issued</u>	<u>Amount issued</u>	<u>December 31,</u>	
			<u>2021</u>	<u>2020</u>
2009B Sewer Improvement Bonds	08/27/09	\$ 187,380,000	\$ 94,195,000	\$ 94,195,000
2012A Sewer Improvement Bonds	01/25/12	380,000,000	10,535,000	20,760,000
2019A Sewer Refunding Bonds	05/17/19	72,830,000	45,765,000	59,620,000
2019B Sewer Refunding Bonds	12/10/19	332,770,000	325,955,000	328,520,000
2020A Sewer Improvement Bonds	10/27/20	146,545,000	146,545,000	146,545,000
Plus premium on 2012A Bonds			449,175	1,796,701
Plus premium on 2019A Bonds			3,504,630	4,861,260
Plus premium on 2020A Bonds			<u>13,409,126</u>	<u>13,994,251</u>
Total			<u>\$ 640,357,931</u>	<u>\$ 670,292,212</u>

**Metro Water Recovery**  
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Principal and interest requirements on all outstanding bonds are summarized as follows at December 31, 2021:

	<u>Principal</u>		<u>Interest</u>		<u>Total</u>
2022	\$ 27,675,000	\$	21,239,175	\$	48,914,175
2023	28,585,000		20,079,253		48,664,253
2024	29,440,000		19,036,893		48,476,893
2025	31,085,000		17,854,649		48,939,649
2026	31,925,000		16,525,079		48,450,079
2027-2031	144,785,000		62,445,256		207,230,256
2032-2036	121,485,000		39,761,561		161,246,561
2037-2041	142,355,000		18,887,641		161,242,641
2042-2045	65,660,000		3,334,250		68,994,250
	<u>622,995,000</u>	\$	<u>219,163,757</u>	\$	<u>842,158,757</u>
Unamortized premiums	17,362,931				
	<u>\$ 640,357,931</u>				

All of Metro's revenues are pledged toward the repayment of these bonds. For these bonds there are no assets pledged as collateral. If the Bonds are not paid at the date of maturity then interest will continue to be paid at the original interest rate until those Bonds, both principal and interest, are paid in full.

**(a) Series 2009B**

On August 27, 2009, Metro issued \$187,380,000 of Series 2009B Sewer Improvement Bonds, bearing interest at 4.718% to 5.775%, for the purpose of financing construction of long-range capital improvement projects. The 2009B Bonds were issued as Direct Pay Build America Bonds. Build America Bonds were created as part of the American Recovery and Reinvestment Act of 2009 and are taxable bonds to the bond holder. Metro receives a direct federal subsidy in the amount of 35 percent of the interest payment on the Build America Bonds. Metro recorded \$1,795,394 and \$1,792,534 from the United States Treasury for the fiscal years ended December 31, 2021 and 2020 related to the federal subsidy received on these bonds.

As part of the issuance of the Series 2019A Sewer Refunding Bonds, a portion of the 2009B bonds were refunded, in the amount of \$78,875,000. The remaining outstanding series 2009B bonds, in the amount of \$94,195,000, are due in annual installments of \$17,475,000 to \$20,250,000 beginning April 1, 2025 through April 1, 2029.

**(b) Series 2012A**

On January 25, 2012, Metro issued \$380,000,000 of Series 2012A Sewer Improvement Bonds, bearing interest at 3.00% to 5.00%, for the purpose of financing construction of long-range capital improvement projects. On December 10, 2019, the portion of the Series 2012A Bonds maturing on or after April 1, 2023 in the aggregate amount of \$311,740,000 were defeased as part of the issuance of the 2019B Taxable Sewer Refunding Bonds. The remaining tax-exempt bonds in the aggregate amount of \$30,685,000 are due in annual installments of \$9,925,000 to \$10,535,000 April 1, 2020 through April 1, 2022.

**(c) Series 2019A**

On May 17, 2019, Metro issued \$72,830,000 of Series 2019A Sewer Refunding Bonds, bearing interest of 5.00%, for the purpose of refunding a portion of the Series 2009B Bonds outstanding in the aggregate amount of \$78,875,000 with an interest rate of 5.00%. Proceeds from the 2019A Bonds were deposited with the Escrow Agent. The portion of the 2009B Bonds were called and defeased on May 17, 2019



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and the escrow account closed. As a result, the refunded 2009B bonds were defeased and the liability for those bonds has been removed from Metro's statement of net position as of December 31, 2019.

The refunding was undertaken to reduce total debt service payments over the next five years by \$4.2 million and resulted in an economic gain of \$4.0 million. The 2019A Bonds are due in annual installments ranging from \$13,210,000 to \$15,995,000 beginning April 1, 2020 through April 1, 2024.

**(d) Series 2019B**

On December 10, 2019, Metro issued \$332,770,000 of Series 2019B Taxable Sewer Refunding Bonds, bearing interest ranging from 1.00% to 3.15%, for the purpose of defraying the cost of refunding and paying the principal and interest on the 2012A Bonds maturing on or after April 1, 2023 in the aggregate amount of \$311,740,000. The net proceeds of \$331,789,575 from the 2019B Bonds, after payment of \$980,425 underwriting fees and other issuance costs were deposited into an escrow account to provide for all future debt service payments of the refunded 2012A bonds. As a result, the refunded 2012A bonds are considered to be defeased in substance, and the liability for those bonds has been removed from Metro's statement of net position as of December 31, 2019.

The refunding was undertaken to reduce total debt service payments over the next ten years by \$26.7 million and resulted in a difference between reacquisition price and the net carrying amount of the old debt of \$5.6 million. This difference, reported in the accompanying financial statements as a deferred inflow of resources, is being amortized as a component of interest expense through the life of the 2019B bonds. The refunding resulted in an economic gain of \$19.6 million. The bonds are taxable and due in annual installments of \$4,250,000 to \$23,320,000 beginning April 1, 2020 through April 1, 2041.

**(e) Series 2020A**

On October 27, 2020, Metro issued \$146,545,000 of Series 2020A Sewer Improvement Bonds, bearing interest at 2.00% to 5.00%, for the purpose of financing construction of long-range capital improvement projects. The 2020A Bonds are due in annual installments ranging from \$5,095,000 to \$17,035,000 beginning April 1, 2030 through April 1, 2045.

**(f) Bond Covenants**

There are certain covenants associated with Metro's bonds. As of December 31, 2021 and 2020, the management of Metro believes they are in substantive compliance with these requirements.

**(7) Retirement Plans**

**(a) General**

Metro offers two retirement plans to employees. Employees hired on or before December 31, 2012 are under the Defined Benefit Plan. Employees hired on or after January 1, 2013 are under the Defined Contribution Plan. Additional information on each plan follows below.

**(b) Defined Benefit Plan**

*Plan Description*

The Defined Benefit Plan is a single-employer, defined benefit pension plan covering all employees of Metro hired on or before December 31, 2012. The Defined Benefit Plan is administered by a retirement board, which consists of seven members who are appointed by the Board of Directors of Metro. The provisions of the Defined Benefit Plan give Metro's Board of Directors the right and authority to establish and amend the contribution requirements and benefit provisions of the Defined Benefit Plan. The costs of administering the Defined Benefit Plan are paid from the Defined Benefit Plan's investment earnings.

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*Benefits Provided*

The Defined Benefit Plan provides retirement, death, and disability benefits to Plan members and their beneficiaries. Participants are fully vested in Plan benefits after completion of five years of eligible service. Employees who terminate employment at age 65 generally receive the Normal Retirement Benefit, which is equal to 2% of their final average salary multiplied by the number of years of credited service. The final average salary is the average annual salary for the three highest consecutive years out of the participant's last 10 years of employment.

Employees who terminate employment after completing 10 years of service before the age of 65 are eligible for the Early Retirement Benefit, which is equal to the Normal Retirement Benefit reduced by 1/15th for each of the first 5 years and 1/30th for each additional year by which the payments precede the normal retirement age (age 65).

Employees who terminate employment after completing 10 years of service before age 65 and having the sum of age plus years of service equal to at least 80 are eligible for the Rule of 80 Benefit. The Rule of 80 Benefit is calculated in the same manner as the Normal Retirement Benefit.

Disability benefits are paid to participants who become totally and permanently disabled who meet the eligibility requirements for the Normal Retirement Benefit or the Early Retirement Benefit.

*Benefits Terms*

The standard method of paying benefits to participants is in monthly payments. The Plan also allows participants to elect a combination of a lump-sum distribution and monthly payments or certain other annuity options. The Board of Directors has elected occasionally, in the past, to make ad hoc postretirement increases for monthly payments to participants to adjust payments for the effect of inflation using the consumer pricing index. These ad hoc payments are at the discretion of the Board of Directors and are not required by the Plan.

A description of the Defined Benefit Plan and the vesting and benefit provisions are included in the official plan document. Copies of this document as well as the Defined Benefit Plan's financial statements are available from the Human Resources Division of Metro.

At December 31, 2021 and 2020, the Defined Benefit Plan's membership consisted of the following:

	2021	2020
Retirees and beneficiaries eligible to receive benefits as of December 31	275	246
Terminated employees entitled to, but not yet receiving, benefits	125	138
Active plan members	172	200
Total	572	584

*i) Summary of Significant Accounting Policies*

**(i) Basis of Accounting**

The financial statements of the Defined Benefit Plan are prepared using the economic resources measurement focus and the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America (GAAP) applicable to governmental accounting in accordance with the Governmental Accounting Standards Board (GASB).

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Investment income is recorded when earned. Expenses are recorded when liabilities are incurred. Metro's contributions are recognized when due, and Metro has made a formal commitment to provide the contribution. Employee contributions are recognized when due, as the contributions are withheld from the employee's paychecks. Benefits and refunds are recognized when due and payable in accordance with the terms of the Defined Benefit Plan.

**(ii) Contributions**

Employee contributions to the Defined Benefit Plan were prohibited from 1979 to July 2007. However, changes to the Defined Benefit Plan, effective July 8, 2007, require employee contributions, which range from 1% in 2007 to 7% in 2015 and beyond. The payroll for employees covered by the Defined Benefit Plan for the years ended December 31, 2021 and 2020 was \$19,580,679 and \$20,312,130, respectively. Metro's total payroll for the years ended December 31, 2021 and 2020 was \$36,280,395 and \$35,587,131 respectively

During 2021 and 2020, contributions made by Metro totaled \$8,115,278 and \$6,219,293, respectively. Employee contributions to the Defined Benefit Plan totaled \$1,310,784 and \$1,420,295, respectively.

**(iii) Valuation of Investments**

The Defined Benefit Plan is a noninsured trust retirement plan, with a bank or trust company authorized to exercise trust powers in Colorado as trustee. As such, the Plan's assets are invested using the "Colorado Uniform Prudent Investor Act" found in the provisions of Part 3 of Article 1 of Title 15, C.R.S.

The Defined Benefit Plan assets are invested and managed as a prudent investor would, by considering the purposes, terms, distribution requirements, and other circumstances. In satisfying this standard, all fiduciaries shall exercise reasonable care, skill, and caution. Investment decisions should be evaluated within the context of the entire portfolio (rather than on an individual investment basis) and as part of an overall investment strategy having risk and return objectives reasonably suited to the Retirement Plan's purpose.

Separate accounts, mutual funds, and other investment vehicles may be used based upon the most favorable approach for the Plan's circumstances, assuming the vehicle meets the Fiduciary Standard and specific guidelines for the manager. It is recognized that if a pooled fund is used, the fund's investment manager, rather than the Defined Benefit Plan, sets the fund's investment policies, strategies, objectives, guidelines, and restrictions.

Mutual funds are recorded at quoted market prices at December 31, 2021 and 2020. The underlying properties held within the real estate fund, Principal U.S. Property account, are appraised annually and financial statements are audited by an internationally recognized accounting firm. The Defined Benefit Plan invests funds in the Fidelity Institutional Small/Mid Cap Core Commingled Pool, an institutional class investment that is valued monthly. The pool's fair value is based on the market values of the underlying publicly traded equities that make up the pool. The Defined Benefit Plan also invests in low volatility strategies, liquid real assets, and floating rate debt funds, which are valued monthly, and private equity funds, which are valued quarterly. These investments are valued at their fair value as determined by the custodian under the direction of the Defined Benefit Plan with the assistance of an independent consultant.

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**ii) Net Pension Liability**

Metro's net pension liability was measured as of December 31, 2021 and 2020, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of January 1, 2022 and 2021, respectively.

**iii) Changes in the Net Pension Liability**

	Total Pension Liability (a)	Increase (Decrease) Plan Fiduciary Net Position (b)	Net Pension Liability (a) - (b)
<b>Changes in Net Pension Liability</b>			
Balances as of December 31, 2019	\$ 149,412,205	\$ 105,541,153	\$ 43,871,052
Changes for the year:			
Service cost	2,114,148	—	2,114,148
Interest on total pension liability	10,312,587	—	10,312,587
Effect of economic/demographic gains or losses	1,602,483	—	1,602,483
Benefit payments	(8,552,016)	(8,552,016)	—
Employer contributions	—	6,219,293	(6,219,293)
Member contributions	—	1,420,295	(1,420,295)
Net investment income	—	12,170,741	(12,170,741)
Administrative expenses	—	(63,397)	63,397
Balances as of December 31, 2020	<u>154,889,407</u>	<u>116,736,069</u>	<u>38,153,338</u>
Changes for the year:			
Service cost	2,023,921	—	2,023,921
Interest on total pension liability	10,660,366	—	10,660,366
Effect of economic/demographic gains or losses	2,849,251	—	2,849,251
Effect of assumption changes or inputs	9,076,232	—	9,076,232
Benefit payments	(9,403,818)	(9,403,818)	—
Employer contributions	—	8,115,278	(8,115,278)
Member contributions	—	1,310,784	(1,310,784)
Net investment income	—	19,609,021	(19,609,021)
Administrative expenses	—	(64,979)	64,979
Balances as of December 31, 2021	<u>\$ 170,095,359</u>	<u>\$ 136,302,355</u>	<u>\$ 33,793,004</u>

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*iv) Actuarial assumptions*

The actuarial assumptions that determined the total pension liability as of December 31, 2021 and 2020 were based on the results of an actuarial experience study for the period 2010-2014:

	December 31,	
	2021	2020
Actuarial valuation date	January 1, 2022	January 1, 2021
Measurement date	December 31, 2021	December 31, 2020
Inflation	2.25%	2.50%
Salary increases,	Graded by age	Graded by age
Mortality rate	Pub-2010 Healthy Employee and Retiree Mortality Table for General Employees Projected Generationally Using the Most Recent MP Scale Published by the Society of Actuaries on December 31, 2019	Pub-2010 Healthy Employee and Retiree Mortality Table for General Employees Projected Generationally Using the Most Recent MP Scale Published by the Society of Actuaries on December 31, 2019
Actuarial cost method	Entry Age Normal	Entry Age Normal
Investment rate of return	6.50%	7.00%

*v) Sensitivity of the net pension liability to changes in the discount rate*

The following presents the net pension liability of Metro as of December 31, 2021, calculated using the discount rate of 6.5%, as well as what Metro's net pension liability would be if it were calculated using a discount rate that is 1 percentage point lower (5.50%) or 1 percentage point higher (7.50%) than the current rate:

	December 31, 2021		
	1% Decrease	Current Discount	1% Increase
	5.50%	Rate 6.50%	7.50%
Net pension liability	\$ 53,331,585	\$ 33,793,004	\$ 17,305,740

The following presents the net pension liability of Metro as of December 31, 2020, calculated using the discount rate of 7.00%, as well as what Metro's net pension liability would be if it were calculated using a discount rate that is 1 percentage point lower (6.00%) or 1 percentage point higher (8.00%) than the current rate:

	December 31, 2020		
	1% Decrease	Current Discount	1% Increase
	6.00%	Rate 7.00%	8.00%
Net pension liability	\$ 55,833,719	\$ 33,153,338	\$ 23,188,932

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**vi) Long-term expected rate of return**

The best-estimate range for the long-term expected rate of return is determined by adding expected inflation to expected long-term real returns and reflecting expected volatility and correlation. The capital market assumptions are per CAPTRUST's investment consulting practice as of December 31, 2021. The long-term expected rate of return is as follows:

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long-Term Expected Arithmetic Real Rate of Return</u>
Public Equity	55%	8.52%
Private Equity	5%	11.40%
Fixed Rate Debt	15%	2.05%
Floating Rate Debt	5%	2.10%
Private Credit	5%	8.05%
Real Estate	15%	6.68%

**vii) Discount rate**

The discount rates used to measure the total pension liability was 6.50% for the year ended December 31, 2021 and 7.00% for the year ended December 31, 2020. The projection of cash used to determine the discount rate assumed that plan member contributions will be made at the current contribution rate that Metro contribution will be made at rates equal to the difference between actuarially determined contribution rates and the member rate. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

**viii) Pension expense and deferred outflows of resources and deferred inflows of resources related to pensions**

For the years ended December 31, 2021 and 2020, Metro recognized pension expense of \$7,691,780 and \$6,803,247, respectively. At December 31, 2021 and 2020, Metro reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	<u>December 31, 2021</u>	
	<u>Deferred (Inflows) of Resources</u>	<u>Deferred Outflows of Resources</u>
Differences between expected and actual experience	\$ —	\$ 2,313,796
Changes of assumptions	—	5,947,789
Net difference between projected and actual earnings	<u>(13,421,420)</u>	<u>—</u>
Total	<u>\$ (13,421,420)</u>	<u>\$ 8,261,585</u>

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	<b>December 31, 2020</b>	
	<b>Deferred (Inflows) of Resources</b>	<b>Deferred Outflows of Resources</b>
Differences between expected and actual experience	\$ —	\$ 1,839,347
Changes of assumptions	—	3,012,302
Net difference between projected and actual earnings	(6,074,648)	—
Total	\$ (6,074,648)	\$ 4,851,649

Amounts currently reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

**Year ended December 31:**

2022	\$ 2,893,425
2023	(2,514,383)
2024	(3,251,082)
2025	(2,287,795)
2026	—
Thereafter*	—

\*Note that additional future deferred (inflows) and outflows of resources may impact these numbers.

**(c) Defined Contribution Plan**

Effective on and after January 1, 2013 all new employees are under the Defined Contribution Plan. Employees in the DC Plan are required to contribute 6% of their earnings to the Plan. Metro matches the mandatory employee contributions with an additional 6% contribution. Employee contributions are deducted from each bi-weekly paycheck, and this amount together with Metro's matching portion, is sent each payday to the DC Plan's administrator, the International City/County Management Association (ICMA). As of December 31, 2021 and 2020 there were 247 and 225 active plan members. Metro's contributions for the years ended December 31, 2021 and 2020 were \$1,024,392 and \$905,657, respectively.

For the years ended December 31, 2021 and 2020, the Statement of Net Position for the Defined Contribution Plan is as follows:

	<b>December 31,</b>	
	<b>2021</b>	<b>2020</b>
<b>Assets:</b>		
Investments, at fair value		
Cash and short-term investments	\$ 176,471	\$ 60,099
Mutual funds	13,800,630	10,540,538
Stable value funds	985,442	1,031,341
Total investments, at fair value	14,962,543	11,631,978
Fiduciary net position restricted for pension benefits	\$ 14,962,543	\$ 11,631,978

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For the years ended December 31, 2021 and 2020, the Statement of Changes in Net Position for the Defined Contribution Plan is as follows:

	<b>December 31,</b>	
	<b>2021</b>	<b>2020</b>
Additions:		
Investment income		
Net appreciation in fair value of investments	\$ 1,768,822	\$ 1,593,509
Net investment income	1,768,822	1,593,509
Contributions from employer	1,024,392	905,657
Contributions from employee	1,088,046	1,237,434
Total additions	3,881,260	3,736,600
Benefit payments	536,163	332,532
Administrative expenses	14,532	4,407
Total deductions	550,695	336,939
Net increase in plan fiduciary net position	3,330,565	3,399,661
Fiduciary net position restricted for pension benefits:		
Beginning of year	11,631,978	8,232,317
End of year	\$ 14,962,543	\$ 11,631,978

**(8) Postemployment Healthcare Plan**

**(a) General**

Metro administers a single-employer defined postemployment healthcare plan. Metro provides healthcare benefits including coverage for medical insurance to retirees and their spouses up to age 65, and limited reimbursement for medical premiums. The Colorado Revised Code allows, but does not mandate, Metro to provide postemployment benefits. Authority for Metro to provide healthcare coverage to eligible participants and to establish and amend benefits is codified in Colorado Revised Statute sections 24-19-102 and 24-19-103 of the Colorado Revised Code. The healthcare plan is “pay-as-you-go” and does not have an OPEB Trust Fund, thus does not have a publicly available financial report.

Employees covered by benefit terms. As of December 31, 2021, the following employees were covered by the benefit terms:

	<b>2021</b>	<b>2020</b>
Inactive employees or beneficiaries currently receiving benefit payments	232	224
Inactive employees entitled to but not yet receiving benefit payments	—	—
Active employees	381	396
Total	613	620



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**(b) Funding Policy**

Authority for Metro funding of the postemployment healthcare plan comes from Metro’s Board of Directors. There are no required contributions from plan members. The plan is financed on a pay-as-you-go basis.

**(c) Total OPEB Liability**

Metro’s total OPEB liability was based on the January 1, 2021 valuation date and measurement dates of December 31, 2020 and December 31, 2019, respectively. Metro’s total OPEB liability was \$12,273,631 and \$11,900,947 for the years ended December 31, 2021 and December 31, 2020, respectively.

**(d) Actuarial Methods and Assumptions**

Actuarial valuations of an ongoing plan involve estimates of the value of reported amounts and assumptions about the probability of events far into the future. Examples include assumptions about future employment, mortality, and the healthcare cost trend. Amounts determined regarding the funded status of the plan and the annual required contributions of the employer are subject to continual revision as actual results are compared with past expectations and new estimates are made about the future.

Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employer and the plan members) and include the types of benefits provided at the time of each valuation and the historical pattern of sharing of benefit costs between the employer and the plan members at that point. The actuarial methods and assumptions used include techniques that are designed to reduce the effects of short-term volatility in actuarial accrued liabilities and the actuarial value of assets, consistent with the long-term perspective of the calculations.

The significant assumptions underlying the actuarial calculations at December 31, 2021 and December 31, 2020 are as follows:

	<b>December 31,</b>	
	<b>2021</b>	<b>2020</b>
Actuarial valuation date	January 1, 2021	January 1, 2019
Measurement date	December 31, 2020	December 31, 2019
Inflation	2.50%	2.50%
Salary increases,	Graded by age	Graded by age
Mortality rate	Pub-2010 General Employees mortality table fully generational using scale MP2019	Pub-2010 General Employees mortality table fully generational using scale MP2019
Actuarial cost method	Entry Age Normal Level Percent of Pay	Entry Age Normal Level Percent of Pay
Discount rate	2.12%	2.74%

The discount rate was based on the Bond Buyer General Obligation 20-Bond Municipal Bond Index at the measurement date.

The actuarial assumptions used in the January 1, 2021 valuation were based on the results of an actuarial experience study for the period 2010 through 2014.

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(e) **Changes in the Total OPEB Liability**

Increase/Decrease in Total OPEB Liability	Fiscal Year Ending:	
	December 31, 2021	December 31, 2020
Balance at Beginning of Year	\$ 11,900,947	\$ 9,941,368
Changes for the year:		
Service cost	573,363	417,645
Interest on Total OPEB liability	334,914	415,846
Effect of economic/demographic gains or losses	(815,101)	—
Effect of assumptions changes or inputs	785,257	1,563,331
Benefit payments	(505,749)	(437,243)
Balances at End of Year	<u>\$ 12,273,631</u>	<u>\$ 11,900,947</u>

Sensitivity of the total OPEB liability to changes in the discount rate. The following presents the total OPEB liability of Metro, as well as what Metro's total OPEB liability would be if it were calculated using a discount rate that is 1-percentage point lower or 1-percentage point higher than the current discount rate. A similar sensitivity analysis is then presented for changes in the healthcare cost trend assumption:

		December 31, 2021		
		Current Discount		
		1% Decrease	Rate 2.12%	1% Increase
Net OPEB liability	\$	13,794,727	\$ 12,273,631	\$ 10,997,094

		December 31, 2021		
		Current Healthcare		
		1% Decrease	Cost Trend Rate	1% Increase
Net OPEB liability	\$	11,599,138	\$ 12,273,631	\$ 13,107,367

		December 31, 2020		
		Current Discount		
		1% Decrease	Rate 2.74%	1% Increase
Net OPEB liability	\$	13,297,501	\$ 11,900,947	\$ 10,719,009

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	<b>December 31, 2020</b>		
	<b>Current Healthcare</b>		
	<b>1% Decrease</b>	<b>Cost Trend Rate</b>	<b>1% Increase</b>
Net OPEB liability	\$ 11,231,013	\$ 11,900,947	\$ 12,721,077

(f) ***OPEB expense and deferred outflows of resources and deferred inflows of resources related to OPEB***

For the years ended December 31, 2021 and 2020, Metro recognized OPEB expense of \$1,165,539 and \$1,094,530, respectively. At December 31, 2021 and 2020, Metro reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	<b>December 31, 2021</b>	
	<b>Deferred (Inflows) of Resources</b>	<b>Deferred Outflows of Resources</b>
Differences between expected and actual experience	\$ (711,924)	\$ 401,201
Changes of assumptions	(225,113)	2,012,586
Total (prior to post-Measurement Date contributions):	(937,037)	2,413,787
Contributions made subsequent to measurement date	—	179,154
Net deferred outflow / (inflow) of resources	\$ (937,037)	\$ 2,592,941

	<b>December 31, 2020</b>	
	<b>Deferred (Inflows) of Resources</b>	<b>Deferred Outflows of Resources</b>
Differences between expected and actual experience	\$ —	\$ 481,441
Changes of assumptions	(279,276)	1,561,691
Total (prior to post-Measurement Date contributions)	(279,276)	2,043,132
Contributions made subsequent to measurement date	—	171,501
Net deferred outflow / (inflow) of resources	\$ (279,276)	\$ 2,214,633

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Contributions made after the measurement date will be recognized as expenses in future periods and not included in the table below. Amounts currently reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

**Year ended December 31:**

2022	\$	257,262
2023		257,262
2024		259,435
2025		275,073
2026		239,481
Thereafter*		188,237

\*Note that additional future deferred (inflows) and outflows of resources may impact these numbers. For this purpose, deferred outflows from contributions subsequent to the measurement date are not shown.

**(9) Deferred Compensation Plan**

Metro offers its participants a deferred compensation plan created in accordance with Internal Revenue Code Section 457 (Section 457). The plan, available to all Metro’s employees, permits deferral of a portion of the employees’ salary until future years. The deferred compensation is not available to employees until termination, retirement, death, or an unforeseeable emergency. Since the plan assets are held in trust by a third party, and Metro does not have a governing board that manages the Plan, Metro’s basic financial statements exclude such Section 457 plan assets and associated liability in accordance with GASB Statement No. 97 *Certain Component Unit Criteria, and Accounting and Financial Reporting for Internal Revenue Code Section 457 Deferred Compensation Plans*.

**(10) Service Agreements**

Metro has entered into service agreements with each of the member municipalities and special connectors who provide for, among other things, charges for service to such connectors. Annual charges are based on the budgeted expenses of Metro for the year and are payable to Metro in quarterly installments by each of the connectors. The rates charged to connectors are based on the quantity and quality of the sewage flow received and treated.

For the years ended December 31, 2021 and 2020, Metro’s connectors and related revenue consisted of the following:

<u>Classification</u>	<u>Year ended December 31, 2021</u>		<u>Year ended December 31, 2020</u>	
	<u>Number</u>	<u>Amount</u>	<u>Number</u>	<u>Amount</u>
Member municipalities	22	\$ 123,256,122	22	\$ 122,410,596
Special connectors	27	12,184,702	28	13,030,228
	<u>49</u>	<u>\$ 135,440,824</u>	<u>50</u>	<u>\$ 135,440,824</u>

**Metro Water Recovery**  
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Notes to the Basic Financial Statements

**(11) Board of Directors Restricted Amounts**

Included in the balance of restricted net position of Metro are funds restricted by Metro’s Board of Directors (Board) for specific purposes. Board restrictions were as follows:

	December 31,	
	2021	2020
90 day expense reserve plus \$1 million	\$ 25,786,056	\$ 24,518,373
Sewer connection charge reserve	25,000,000	25,000,000
Total restricted amount	\$ 50,786,056	\$ 49,518,373

**(12) Risk Management**

Metro is exposed to various risks of loss related to property, auto, health, and workers’ safety, for which Metro carries commercial insurance. Metro’s commercial insurance coverage has remained substantially the same from the prior year. Metro retains the first \$100,000 of any property loss. There were two loss claims filed in 2021, both filed with Zurich American Insurance Company. The first claim loss was sustained on January 14, 2021, for fire loss to the new South Bar Building construction project. Metro is working to execute a contract with Horizon Mechanical Services. Actual costs incurred as of December 31, 2021 totaled \$540,900. The claim remains open at December 31, 2021. The second claim loss was sustained on March 16, 2021, Clarifier Cover Failure at the Northern Treatment Plant due to heavy snow accumulation during a winter storm. Metro has been working with the original manufacturer, Ultraflote, to replace the covers. Late in 2021 Metro was notified by Ultraflote’s legal team that they are filing for Chapter 11. Based on this information, Metro is unsure if Ultraflote will be able to replace the damaged covers, and therefore will be going out to bid for a different manufacturer for the covers. Actual costs incurred as of December 31, 2021 totaled \$244,854. The claim remains open at December 31, 2021, pending resolution of replacing the covers.

Metro carries insurance for public entity liability exposure with the Colorado Special District Property and Liability Pool with a limit of \$2,000,000 per occurrence. As of December 31, 2021 and 2020, there were no claims outstanding against Metro that were required to be reported in the accompanying financial statements.

**(13) Commitments and Contingencies**

Metro is a party to various lawsuits resulting from risks inherent in its operations. After consulting with legal counsel, Metro management has concluded that the final disposition of these matters will not have a significant adverse effect on Metro’s 2021 basic financial statements.

As of December 31, 2021, Metro had various commitments totaling approximately \$259.3 million for the construction of major capital improvements, growth, and replacement projects. Funding of these projects will be provided through annual charges for services, bond proceeds, investment earnings, and unrestricted net position. The largest projects, representing 62.3% of this total, are the Sand Creek and Second Creek Basins Regional Plan and the Lift Station Fixed Asset Rehabilitation – with remaining costs of \$161.6 million.

**(a) Suncor Air and Soil Contamination**

In November 2012, while trenching to install utilities on property leased from Metro, Suncor Energy USA Inc. (Suncor) identified groundwater contamination from the light non-aqueous phase liquids. Suncor notified Metro staff and the Colorado Department of Public Health and Environment (CDPHE).

## **Metro Water Recovery**

For the Years Ended December 31, 2021 and 2020

### Notes to the Basic Financial Statements

In 2011, increasing levels of both dissolved and un-dissolved petroleum products was observed in various locations on Metro's Robert W. Hite Treatment Facility (RWHTF). Metro began working with Suncor staff to address the situation, including having Suncor 1) install skimming devices to remove the free product from monitoring wells, 2) install additional monitoring wells to determine the source of the contamination, and 3) construct concrete "collars" around Metro's Sand Creek Interceptor to prevent Suncor's product from running along the Interceptor to Metro's RWHTF. Metro staff began their own independent monitoring, and met with Suncor staff to discuss safety issues, reimbursement of costs, additional monitoring requirements, and future remediation.

Previously, in November 2011, Metro employees observed petroleum-like odors in other areas of the RWHTF and Metro conducted atmospheric tests in those areas. As a result of these tests, portions of the Technical Services Building were closed and equipment was installed to enhance ventilation. Since November 2011, Suncor has increased its efforts to monitor and remove both dissolved and un-dissolved petroleum products from Metro property, and is responsible for developing and implementing long-term plans for remediation.

In response to the critical nature of the situation; the pace at which response actions were being initiated by the CDPHE, the Environmental Protection Agency (EPA) and Suncor on and around the RWHTF; and the lack of in-house environmental contamination expertise, Metro staff determined outside assistance was necessary, and, as a result hired an independent consultant and outside legal counsel to assist with the rapidly developing situation.

In December 2011, the consultant was engaged to assist Metro with monitoring and mitigating the air and soil contamination originating from the Suncor property. In February 2012, the Board of Directors appropriated \$1.5 million for the work related to the Suncor petroleum contamination. Metro has paid ARCADIS approximately \$13,100 and \$34,000 in 2021 and 2020, respectively, in the monitoring efforts. Metro did not incur outside legal counsel costs during 2021 and 2020.

Also in February 2012, Metro signed an Access and License Agreement with Suncor in which Suncor agreed to pay a fee of \$40,000 per quarter through 2017 for access to Metro's site. Metro signed a First Amendment to Access and License Agreement with Suncor in December 2017, extending the original terms of the Access Agreement through December 15, 2022. This amount, together with ARCADIS costs and certain other direct expenses, is billed to and reimbursed by Suncor on a quarterly basis. Suncor is fully responsible for remainder (not a liability of Metro) and has reimbursed Metro approximately \$180,000 and \$194,000 in 2021 and 2020, respectively.

This information is an integral part of the accompanying financial statements.

**REQUIRED SUPPLEMENTARY INFORMATION**

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Required Supplementary Information

Schedule of Changes in Net Pension Liability and Related Ratios (Unaudited)  
December 31, 2021

	Fiscal Year Ending December 31									
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
<b>Total Pension Liability</b>										
Service Cost	\$ 2,023,921	\$ 2,114,148	\$ 1,965,109	\$ 2,010,528	\$ 2,054,219	\$ 2,118,343	\$ 2,300,707	\$ 2,440,541	N/A	N/A
Interest on total pension liability	10,660,366	10,312,587	9,690,475	9,316,712	8,968,077	8,516,917	8,048,386	7,836,723	N/A	N/A
Effect on plan changes	-	-	-	-	-	-	-	-	N/A	N/A
Effect of economic /demographic (gains) or losses	2,849,251	1,602,483	1,710,776	1,035,325	1,588,268	1,723,846	(113,453)	(1,826,177)	N/A	N/A
Effect of assumption changes or inputs	9,076,232	-	8,032,806	-	3,286,291	-	5,444,418	-	N/A	N/A
Benefit payments	(9,403,818)	(8,552,016)	(7,240,476)	(7,085,818)	(6,758,280)	(5,817,753)	(5,757,870)	(5,408,869)	N/A	N/A
Net change in total pension liability	15,205,952	5,477,202	14,158,690	5,276,747	9,138,575	6,541,353	9,922,188	3,042,218	N/A	N/A
Total pension liability, beginning	154,889,407	149,412,205	135,253,515	129,976,768	120,838,193	114,296,840	104,374,652	101,332,434	N/A	N/A
Total pension liability, ending (a)	\$ 170,095,359	\$ 154,889,407	\$ 149,412,205	\$ 135,253,515	\$ 129,976,768	\$ 120,838,193	\$ 114,296,840	\$ 104,374,652	N/A	N/A
<b>Fiduciary Net Position</b>										
Employer contributions	\$ 8,115,278	\$ 6,219,293	\$ 5,700,935	\$ 5,019,996	\$ 4,756,434	\$ 4,228,249	\$ 4,722,308	\$ 4,679,000	N/A	N/A
Member contributions	1,310,784	1,420,295	1,472,473	1,483,945	1,560,619	1,636,552	1,631,561	1,421,235	N/A	N/A
Investment income net of investment expenses	19,609,021	12,170,741	14,823,703	(2,770,025)	11,752,741	6,300,119	(244,970)	5,461,900	N/A	N/A
Benefit payments	(9,403,818)	(8,552,016)	(7,240,476)	(7,085,818)	(6,758,280)	(5,817,753)	(5,757,870)	(5,408,869)	N/A	N/A
Administrative expenses	(64,979)	(63,397)	(76,414)	(48,345)	(55,461)	(46,271)	(62,749)	(51,140)	N/A	N/A
Net change in plan fiduciary net position	19,566,286	11,194,916	14,680,221	(3,400,247)	11,256,053	6,300,896	288,280	6,102,126	N/A	N/A
Fiduciary net position, beginning	116,736,069	105,541,153	90,860,932	94,261,179	83,005,126	76,704,230	76,415,950	70,313,824	N/A	N/A
Fiduciary net position, ending (b)	\$ 136,302,355	\$ 116,736,069	\$ 105,541,153	\$ 90,860,932	\$ 94,261,179	\$ 83,005,126	\$ 76,704,230	\$ 76,415,950	N/A	N/A
Net pension liability, ending = (a) - (b)	\$ 33,793,004	\$ 38,153,338	\$ 43,871,052	\$ 44,392,583	\$ 35,715,589	\$ 37,833,067	\$ 37,592,610	\$ 27,958,702	N/A	N/A
Fiduciary net position as a % of total pension liability	80.13%	75.37%	70.64%	67.18%	72.52%	68.69%	67.11%	73.21%	N/A	N/A
Covered payroll	\$ 19,580,679	\$ 20,312,130	\$ 20,599,400	\$ 20,935,048	\$ 22,351,010	\$ 23,323,075	\$ 23,834,625	\$ 25,353,510	N/A	N/A
Net pension liability as of % of covered	172.58%	187.84%	212.97%	212.05%	159.79%	162.21%	157.72%	N/A	N/A	N/A

This schedule is presented to illustrate the requirement to show information for 10 years. Information earlier than 2014 was not available



**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Required Supplementary Information

Schedule of Employer Contributions (Unaudited)  
Ten Years Ended December 31, 2021

Fiscal Year Ending December 31	Actuarially Determined Contribution	Actual Employer Contribution	Contribution Deficiency (Excess)	Covered Payroll	Contribution as a % of Covered Payroll
2012	\$ 3,977,529	\$ 3,977,529	-	\$ 22,854,848	17.40%
2013	5,009,539	5,009,539	-	25,039,481	20.01%
2014	4,679,000	4,679,000	-	25,353,510	18.46%
2015	4,722,308	4,722,308	-	23,834,625	19.81%
2016	4,228,249	4,228,249	-	23,323,075	18.13%
2017	4,756,434	4,756,434	-	22,351,010	21.28%
2018	5,019,996	5,019,996	-	20,935,048	23.98%
2019	5,700,935	5,700,935	-	20,599,400	27.68%
2020	6,219,293	6,219,293	-	20,312,130	30.62%
2021	8,115,278	8,115,278	-	19,580,679	41.45%

**Notes to Schedule**

Valuation date:

Actuarially determined contribution amount is calculated as of January 1st of the fiscal year in which the contributions are reported

Methods and assumptions used for funding policy:

Actuarial cost method	Entry age normal
Amortization method	Level dollar over a 10-year period, closed period
Asset valuation method	Five year non-asymptotic
Inflation	2.25%
Salary increases	Graded by age
Investment rate of return	6.50%
Retirement age	Table of rates by Age and Eligibility
Mortality	Pub-2010 Healthy Employee and Retiree Mortality Table for General Employees Projected Generationally Using the Most Recent MP Scale Published by the Society of Actuaries on December 31, 2019

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020  
**Required Supplementary Information**

Schedule of Changes in Total OPEB Liability and Related Ratios (Unaudited)  
December 31, 2021

	2021		2020		2019		Fiscal Year Ending December 31		2016	2015	2014	2013	2012	
							2018	2017						
<b>Total OPEB Liability</b>														
Service Cost	\$	573,363	\$	417,645	\$	400,532	\$	373,620	\$	376,564	N/A	N/A	N/A	N/A
Interest on total OPEB liability		334,914		415,846		324,085		331,010		307,477	N/A	N/A	N/A	N/A
Effect of changes to benefit terms		-		-		-		-		-	N/A	N/A	N/A	N/A
Effect of economic /demographic (gains) or losses		(815,101)		-		641,921		-		-	N/A	N/A	N/A	N/A
Effect of assumption changes or inputs		785,257		1,563,331		(259,185)		312,414		(171,947)	N/A	N/A	N/A	N/A
Benefit payments		(505,749)		(437,243)		(369,979)		(389,041)		(341,659)	N/A	N/A	N/A	N/A
Net change in total OPEB liability		372,684		1,959,579		737,374		628,003		170,435	N/A	N/A	N/A	N/A
Total OPEB liability, beginning		11,900,947		9,941,368		9,203,994		8,575,991		8,405,556	N/A	N/A	N/A	N/A
Total OPEB liability, ending	\$	12,273,631	\$	11,900,947	\$	9,941,368	\$	9,203,994	\$	8,575,991	\$	8,405,556	N/A	N/A
Covered payroll	\$	35,587,131	\$	34,021,941	\$	31,917,750	\$	30,439,922	\$	29,426,219	\$	27,618,839	N/A	N/A
Net pension liability as of % of covered payroll		34.49%		34.98%		31.15%		30.24%		29.14%		30.43%	N/A	N/A

This schedule is presented to illustrate the requirement to show information for 10 years. However, recalculations of prior years are not required, and if prior years are not reported in accordance with GASB standards, they should not be reported.

## **SCHEDULES**

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Schedules

Schedule of Revenue and Expenses - Budget and Actual  
Year ended December 31, 2021

	<b>Year-to-date Actual</b>	<b>Budget 2021</b>	<b>Variance – Favorable (Unfavorable)</b>
Operating revenue:			
Annual charges to connectors	\$ 135,440,824	\$ 135,440,824	\$ —
Septic charge revenue	88,620	232,000	(143,380)
Other operating income	1,734,820	2,928,250	(1,193,430)
	137,264,264	138,601,074	(1,336,810)
Operating expenses:			
Operations and maintenance:			
Wastewater transmission	1,644,226	1,449,495	(194,731)
Wastewater treatment	20,890,370	19,021,631	(1,868,739)
Solids processing	9,900,646	11,967,257	2,066,611
Solids recycling	9,381,060	10,507,494	1,126,434
Technical management and support	23,051,947	25,076,877	2,024,930
Administrative and general	24,470,094	25,763,737	1,293,643
	89,338,343	93,786,491	4,448,148
Operating revenue in excess of expenses (excluding depreciation)	47,925,921	44,814,583	3,111,338
Nonoperating revenue:			
Interest	2,545,275	2,333,391	211,884
Other	3,114,766	—	3,114,766
Total nonoperating revenue	5,660,041	2,333,391	3,326,650
Nonoperating expenses:			
Capital (operations and management)	203,102	287,000	83,898
Debt service	48,824,174	50,281,000	1,456,826
	49,027,276	50,568,000	1,540,724
Revenue over expenses	4,558,686	\$ (3,420,026)	\$ 7,978,712
Reconciliation to change in net position:			
Add:			
Sewer connection fees	59,198,692		
Capital outlay	203,102		
Debt service	48,824,174		
Capital asset, sewer and A&C interest	2,116,989		
Net decrease in the fair value of investments	(6,796,276)		
Deduct:			
Depreciation	(60,339,330)		
Interest expense included in debt service above	(18,676,197)		
Nonoperating expenses	(2,754,979)		
OPEB expense	(1,165,539)		
OPEB employer payments	505,749		
OPEB contributions post measurement date	179,154		
OPEB contributions post measurement date prior year	(171,501)		
Employer contribution expense	(7,691,780)		
Pension expense	8,115,278		
Increase in net position	\$ 26,106,222		

Capital (operations and management) only includes the portion of capital expenditures related to operations. Additional capital expenditures are shown on Footnote 5. See accompanying independent auditors' report.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Schedules

Schedule of Operating Expenses - Budget and Actual  
Year ended December 31, 2021

	<u>Year-to-date Actual</u>	<u>Budget 2021</u>	<u>Variance – Favorable (Unfavorable)</u>
Operations and maintenance:			
Wastewater transmission:			
Personnel	\$ 1,252,441	\$ 987,490	\$ (264,951)
Materials and fuel	193,439	266,500	73,061
Utilities	176,078	156,700	(19,378)
Outside services	18,178	24,000	5,822
Support services	4,090	14,805	10,715
	<u>1,644,226</u>	<u>1,449,495</u>	<u>(194,731)</u>
Wastewater treatment:			
Personnel	9,718,809	9,442,653	(276,156)
Materials and fuel	1,493,532	1,338,500	(155,032)
Chemicals	3,375,941	2,747,600	(628,341)
Utilities	5,900,925	5,223,278	(677,647)
Outside services	280,014	138,000	(142,014)
Support services	121,149	131,600	10,451
	<u>20,890,370</u>	<u>19,021,631</u>	<u>(1,868,739)</u>
Solids processing:			
Personnel	2,200,541	2,793,395	592,854
Materials and fuel	860,614	1,049,000	188,386
Chemicals	4,175,540	4,657,500	481,960
Utilities	1,223,732	1,552,862	329,130
Outside services	1,440,219	1,914,500	474,281
	<u>9,900,646</u>	<u>11,967,257</u>	<u>2,066,611</u>
Solids recycling:			
Personnel	4,338,042	4,637,094	299,052
Materials and fuel	2,498,330	2,352,950	(145,380)
Chemicals	1,658,170	1,940,000	281,830
Utilities	18,032	32,000	13,968
Outside services	867,625	1,545,450	677,825
Support services	861	—	(861)
	<u>9,381,060</u>	<u>10,507,494</u>	<u>1,126,434</u>
Total operations and maintenance	<u>41,816,302</u>	<u>42,945,877</u>	<u>1,129,575</u>

See accompanying independent auditors' report.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Schedules

Schedule of Operating Expenses - Budget and Actual  
Year ended December 31, 2021

	<u>Year-to-date Actual</u>	<u>Budget 2021</u>	<u>Variance – Favorable (Unfavorable)</u>
Technical Management and Support:			
Operations and Maintenance:			
Personnel (1)	\$ 5,311,355	\$ 5,949,398	\$ 638,043
Materials and fuel	1,041,370	1,176,039	134,669
Utilities	582,557	418,860	(163,697)
Outside services	1,661,385	1,517,000	(144,385)
Support services	81,518	105,095	23,577
	<u>8,678,185</u>	<u>9,166,392</u>	<u>488,207</u>
Resource recovery and reuse:			
Personnel	1,631,576	1,411,390	(220,186)
Materials and fuel	421,695	369,000	(52,695)
Utilities	140,660	141,750	1,090
Outside services	622,398	591,800	(30,598)
Support services	36,589	90,575	53,986
	<u>2,852,918</u>	<u>2,604,515</u>	<u>(248,403)</u>
Laboratory:			
Personnel	5,450,532	5,477,349	26,817
Materials and fuel	918,852	1,061,198	142,346
Outside services	466,860	454,720	(12,140)
Support services	23,283	58,553	35,270
	<u>6,859,527</u>	<u>7,051,820</u>	<u>192,293</u>
Engineering:			
Personnel	4,530,355	6,061,150	1,530,795
Materials and fuel	15,073	11,000	(4,073)
Outside services	71,924	137,000	65,076
Support services	43,965	45,000	1,035
	<u>4,661,317</u>	<u>6,254,150</u>	<u>1,592,833</u>
Total technical management and support	<u>23,051,947</u>	<u>25,076,877</u>	<u>2,024,930</u>

See accompanying independent auditors' report.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Schedules

Schedule of Operating Expenses - Budget and Actual  
Year ended December 31, 2021

	<u>Year-to-date Actual</u>	<u>Budget 2021</u>	<u>Variance – Favorable (Unfavorable)</u>
Administrative and general:			
Personnel (1)	\$ 17,081,288	\$ 17,818,329	\$ 737,041
Materials and fuel	409,195	606,620	197,425
Outside services	3,766,328	4,273,260	506,932
Support services	3,213,283	3,065,528	(147,755)
Total administrative and general	<u>24,470,094</u>	<u>25,763,737</u>	<u>1,293,643</u>
Total operating system	89,338,343	93,786,491	4,448,148
Capital Outlay	203,102	287,000	83,898
Total Metro system	<u>\$ 89,541,445</u>	<u>\$ 94,073,491</u>	<u>\$ 4,532,046</u>

(1) Personnel has been decreased by \$1,520,323 to reflect costs relating to capital projects that were capitalized during 2021

(2) See Schedule of Revenue and Expenses - Budget and Actual for reconciling expenses

See accompanying independent auditors' report.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Schedules

Combining Statement of Net Position - Fiduciary Funds  
Year Ended December 31, 2021

	Defined Benefit Retirement Plan	Defined Contribution Retirement Plan	Total Fiduciary Funds
Assets:			
Investments, at fair value:			
Cash and short-term investments	\$ 987,264	\$ 176,471	\$ 1,163,735
Public equity	74,752,470	-	74,752,470
Mutual funds	-	13,800,630	13,800,630
Private equity	9,944,308	-	9,944,308
Fixed rate debt	19,833,178	-	19,833,178
Stable value funds	-	985,442	985,442
Floating rate debt	11,190,345	-	11,190,345
Low volatility strategies	340,724	-	340,724
Real estate	19,282,986	-	19,282,986
Total investments, at fair value:	<u>136,331,275</u>	<u>14,962,543</u>	<u>151,293,818</u>
Total assets	<u>136,331,275</u>	<u>14,962,543</u>	<u>151,293,818</u>
Liabilities:			
Accrued administrative expenses	28,920	-	28,920
Fiduciary net position restricted for pension benefits	<u>\$ 136,302,355</u>	<u>\$ 14,962,543</u>	<u>\$ 151,264,898</u>

Combining Statement of Net Position -Fiduciary Funds  
Year Ended December 31, 2020

	Defined Benefit Retirement Plan	Defined Contribution Retirement Plan	Total Fiduciary Funds
Assets:			
Investments, at fair value:			
Cash and short-term investments	\$ 1,085,311	\$ 60,099	\$ 1,145,410
Public equity	56,750,175	-	56,750,175
Mutual funds	-	10,540,538	10,540,538
Private equity	5,441,707	-	5,441,707
Fixed rate debt	26,648,753	-	26,648,753
Stable value funds	-	1,031,341	1,031,341
Floating rate debt	4,688,571	-	4,688,571
Low volatility strategies	6,427,219	-	6,427,219
Real estate	15,736,902	-	15,736,902
Total investments, at fair value:	<u>116,778,638</u>	<u>11,631,978</u>	<u>128,410,616</u>
Total assets	<u>116,778,638</u>	<u>11,631,978</u>	<u>128,410,616</u>
Liabilities:			
Accrued administrative expenses	42,569	-	42,569
Fiduciary net position restricted for pension benefits	<u>\$ 116,736,069</u>	<u>\$ 11,631,978</u>	<u>\$ 128,368,047</u>



**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Schedules

Combining Statement of Changes in Net Position - Fiduciary Funds  
December 31, 2021

	Defined Benefit Retirement Plan	Defined Contribution Retirement Plan	Total Fiduciary Funds
Additions:			
Investment income:			
Net appreciation in fair value of investments	\$ 18,301,844	\$ 1,768,822	\$ 20,070,666
Interest and dividend income	1,665,474	-	1,665,474
Less investment expense	(358,297)	-	(358,297)
Net investment income	19,609,021	1,768,822	21,377,843
Contributions from employer	8,115,278	1,024,392	9,139,670
Contributions from employee	1,310,784	1,088,046	2,398,830
Total additions	29,035,083	3,881,260	32,916,343
Deductions:			
Benefit payments	9,403,818	536,163	9,939,981
Administrative expenses	64,979	14,532	79,511
Total deductions	9,468,797	550,695	10,019,492
Net increase in plan fiduciary net position	19,566,286	3,330,565	22,896,851
Fiduciary net position restricted for pension benefits:			
Beginning of year	116,736,069	11,631,978	128,368,047
End of year	\$ 136,302,355	\$ 14,962,543	\$ 151,264,898

Combining Statement of Changes in Net Position - Fiduciary Funds  
December 31, 2020

	Defined Benefit Retirement Plan	Defined Contribution Retirement Plan	Total Fiduciary Funds
Additions:			
Investment income:			
Net appreciation in fair value of investments	\$ 11,357,812	\$ 1,593,509	\$ 12,951,321
Interest and dividend income	1,211,724	-	1,211,724
Less investment expense	(398,795)	-	(398,795)
Net investment income	12,170,741	1,593,509	13,764,250
Contributions from employer	6,219,293	905,657	7,124,950
Contributions from employee	1,420,295	1,237,434	2,657,729
Total additions	19,810,329	3,736,600	23,546,929
Deductions:			
Benefit payments	8,552,016	332,532	8,884,548
Administrative expenses	63,397	4,407	67,804
Total deductions	8,615,413	336,939	8,952,352
Net increase in plan fiduciary net position	11,194,916	3,399,661	14,594,577
Fiduciary net position restricted for pension benefits:			
Beginning of year	105,541,153	8,232,317	113,773,470
End of year	\$ 116,736,069	\$ 11,631,978	\$ 128,368,047



### **III. STATISTICAL SECTION**

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

**Index**

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This section of the comprehensive annual financial report presents detailed information as a context for understanding what the information in the financial statements, note disclosures, and required supplementary information says about Metro's overall financial health.

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**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Net Position by Component  
(Last Ten Fiscal Years)  
(Unaudited)

	Fiscal Year									
	2021	2020 as restated	2019 as restated	2018	2017 <sup>(3)</sup>	2016	2015	2014 <sup>(2)</sup>	2013	2012 <sup>(1)</sup>
Enterprise Fund:										
Net Investment in capital assets	\$ 642,950,326	\$ 571,939,001	\$ 646,389,366	\$ 571,522,642	\$ 510,877,257	\$ 460,051,937	\$ 429,463,120	\$ 415,810,616	\$ 395,807,892	\$ 394,336,618
Restricted	153,506,900	192,488,379	32,330,709	31,052,196	29,921,766	30,015,798	28,751,323	19,240,514	42,784,764	29,392,546
Unrestricted	215,762,211	221,685,836	263,659,868	293,952,857	296,623,363	300,634,133	269,101,343	229,052,829	194,045,456	161,508,493
<b>Total Enterprise Fund net position</b>	<b>\$ 1,012,219,437</b>	<b>\$ 986,113,216</b>	<b>\$ 942,379,943</b>	<b>\$ 896,527,695</b>	<b>\$ 837,422,386</b>	<b>\$ 790,701,868</b>	<b>\$ 727,315,786</b>	<b>\$ 664,103,959</b>	<b>\$ 632,638,112</b>	<b>\$ 585,237,657</b>

(1) As restated for implementation of GASB No. 65.

(2) As restated for implementation of GASB No. 68.

(3) As restated for implementation of GASB No. 75.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Changes in Net Position  
(Last Ten Fiscal Years)  
(Unaudited)

Fiscal Year		Operating revenue	Operating expenses	Operating income (loss)	Nonoperating revenues/ expenses	Income/Loss before capital contributions	Capital contributions and special items (1)	Change in net position
2012	(1)	\$ 103,130,010	\$ 99,697,501	\$ 3,432,509	\$ (15,018,081)	\$ (11,585,572)	\$ 42,559,521	\$ 30,973,949
2013		110,809,466	84,314,050	26,495,416	(12,869,919)	13,625,497	33,774,958	47,400,455
2014	(2)	115,723,735	84,868,290	30,855,445	(1,807,331)	29,048,114	34,639,805	63,687,919
2015		120,903,118	95,001,708	25,901,410	(7,787,632)	18,113,778	45,098,049	63,211,827
2016		127,174,092	103,622,742	23,551,350	(14,230,026)	9,321,324	54,064,758	63,386,082
2017	(3)	128,756,972	117,910,988	10,845,984	(20,165,815)	(9,319,831)	59,490,896	50,171,065
2018		132,848,289	121,721,978	11,126,311	(16,176,605)	(5,050,294)	64,155,603	59,105,309
2019		134,209,798	129,973,134	4,236,664	(7,344,290)	(3,107,626)	51,631,996	48,524,370
2020	(4)	138,461,087	140,420,373	(1,959,286)	(6,594,665)	(8,553,951)	52,287,224	43,733,273
2021		137,264,264	149,906,313	(12,642,049)	(20,450,422)	(33,092,471)	59,198,692	26,106,221

- (1) As restated for implementation of GASB No. 65.  
(2) As restated for implementation of GASB No. 68.  
(3) As restated for implementation of GASB No. 75.  
(4) As restated for depreciation adjustment, see Note 2(n)

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Annual Revenues by Source  
(Last Ten Fiscal Years)  
(Unaudited)

Fiscal Year	Annual charges to connectors	Other operating revenue	Sewer connection fees (1)	Investment income (loss)	Other nonoperating revenue and special items	Total revenue
2012	\$ 101,760,858	\$ 1,369,152	\$ 42,559,521	\$ 4,335,939	\$ 4,670,815	\$ 154,696,285
2013	109,901,727	907,739	33,774,958	(34,201)	4,296,684	148,846,907
2014	114,847,305	876,430	34,639,805	4,597,918	8,722,469	163,683,927
2015	120,015,434	887,684	45,098,049	3,020,955	3,711,621	172,733,743
2016	124,516,013	2,658,079	54,064,758	110,946	4,002,317	185,352,113
2017	127,006,333	1,750,639	59,490,896	3,931,505	3,741,451	195,920,824
2018	129,546,460	3,301,829	64,155,603	5,844,697	3,629,718	206,478,307
2019	132,137,389	2,072,409	51,631,996	11,317,707	2,703,617	199,863,118
2020	135,440,824	3,020,263	52,287,224	8,005,862	2,812,479	201,566,652
2021	135,440,824	1,823,440	59,198,692	(2,134,013)	1,827,756	196,156,699

(1) The District received \$12.4 million for the purchase of additional BOD capacity from Denver International Airport in 2012 in addition to \$30.1 million of Sewer Connection Charges.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Annual Expenses by Type  
(Last Ten Fiscal Years)  
(Unaudited)

Fiscal Year	Wastewater transmission	Wastewater treatment	Solids processing	Solids recycling	Engineering services	Laboratory services	Support operations and maintenance	Administrative and general	Depreciation	Total operating expenses	Nonoperating expenses	Total expenses
2012	\$ 1,706,342	\$ 13,544,517	\$ 7,563,354	\$ 5,081,222	\$ 2,393,154	\$ 3,595,125	\$ 6,389,269	\$ 15,444,651	\$ 43,979,867	\$ 99,697,501	\$ 24,024,835	\$ 123,722,336
2013	1,796,093	13,566,221	7,761,947	5,260,754	2,377,180	3,984,998	7,179,686	15,427,226	26,959,945	84,314,050	17,132,402	101,446,452
2014 (1)	1,735,774	14,367,188	7,823,389	5,537,914	2,170,828	3,952,942	6,279,562	15,628,555	27,372,138	84,868,290	15,127,718	99,996,008
2015	1,769,041	15,071,499	7,965,783	6,743,753	2,430,194	4,417,412	7,116,253	17,450,740	32,037,033	95,001,708	14,520,208	109,521,916
2016	1,727,967	16,961,517	7,690,712	8,211,750	2,156,632	5,082,336	7,460,951	18,560,772	35,770,105	103,622,742	18,343,289	121,966,031
2017 (2)	1,611,834	17,080,977	8,417,218	8,401,488	3,286,382	5,429,026	9,037,837	21,206,232	43,439,994	117,910,988	27,838,771	145,749,759
2018	1,933,139	18,086,763	8,668,269	9,286,612	3,312,549	5,990,846	9,573,120	22,778,547	42,092,133	121,721,978	25,651,020	147,372,998
2019	2,103,035	19,343,183	10,260,429	9,599,778	3,650,622	6,969,050	11,709,653	22,358,081	43,979,303	129,973,134	21,365,614	151,338,748
2020 (3)	1,349,024	19,801,990	10,192,371	8,617,925	4,064,644	6,617,457	10,577,124	24,345,296	54,854,542	140,420,373	17,413,006	157,833,379
2021	1,648,306	20,930,548	9,912,537	9,400,521	4,687,119	6,882,740	11,560,117	24,545,094	60,339,331	149,906,313	20,144,165	170,050,478

- (1) As restated for implementation of GASB No. 68.  
(2) As restated for implementation of GASB No. 75.  
(3) As restated for depreciation adjustment, see Note 2(n)

Approximately \$2.9 million of engineering wages associated with construction projects and information technology wages associated with software implementation were capitalized in 2012. Approximately \$3.2 million of engineering wages associated with construction projects and information technology wages associated with software implementation were capitalized in 2013. Approximately \$3.2 million of engineering wages associated with construction projects and information technology wages associated with software implementation were capitalized in 2014. Approximately \$3.2 million of engineering wages associated with construction projects and information technology wages associated with software implementation were capitalized in 2015. Approximately \$3.3 million of engineering wages associated with construction projects and information technology wages associated with software implementation were capitalized in 2016. Approximately \$2.6 million of engineering wages associated with construction projects and information technology wages associated with software implementation were capitalized in 2017. Approximately \$2.5 million of engineering wages associated with construction projects and information technology wages associated with software implementation were capitalized in 2018. Approximately \$2.4 million of engineering wages associated with construction projects and information technology wages associated with software implementation were capitalized in 2019. Approximately \$2.1 million of engineering wages associated with construction projects and information technology wages associated with software implementation were capitalized in 2020. Approximately \$1.5 million of engineering wages associated with construction projects and information technology wages associated with software implementation were capitalized in 2021.



**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Nonoperating Revenues and Expenses  
(Last Ten Fiscal Years)  
(Unaudited)

Fiscal year		Investment income (expense)	Interest expense	Bond issuance costs	Intergovernmental revenue (expense)	Gain (loss) on disposal of capital assets	Other revenue/ (expense)	Total nonoperating revenues/ (expenses)
2011	(1)	\$ 4,335,939	\$ (20,694,707)	\$ (1,207,232)	\$ 3,610,722	\$ (250,768)	\$ (812,035)	\$ (15,018,081)
2013		(34,201)	(16,372,226)	-	3,388,663	48,161	99,684	(12,869,919)
2014		4,597,918	(11,885,426)	-	3,349,848	(2,828,938)	4,959,267	(1,807,331)
2015		3,020,955	(12,743,455)	-	3,351,653	(968,698)	(448,087)	(7,787,632)
2016		110,946	(15,210,068)	-	3,364,291	280,252	(2,775,447)	(14,230,026)
2017		3,931,505	(21,751,909)	-	3,476,704	(336,518)	(5,485,597)	(20,165,815)
2018		5,844,697	(23,853,490)	-	3,376,025	(663,251)	(880,586)	(16,176,605)
2019		11,317,707	(19,269,915)	(1,407,833)	2,187,548	(68,975)	(102,822)	(7,344,290)
2020		8,005,862	(16,354,709)	(628,676)	1,814,187	(262,363)	831,034	(6,594,665)
2021		(2,134,013)	(18,676,197)	-	1,804,018	(1,270,399)	(173,832)	(20,450,423)

(1) As restated for implementation of GASB No. 65.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Wastewater Treated  
(Last Ten Fiscal Years)  
(Unaudited)

<b>Fiscal Year</b>	<b>Average gallons of wastewater treated (millions)</b>	<b>Annual charges (millions)</b>	<b>Annual charges per average million gallons per day (millions)</b>
2012	129.0	101.8	0.8
2013	130.0	110.0	0.8
2014	133.0	115.0	0.9
2015	148.0	120.0	0.8
2016	137.0	124.5	0.9
2017	133.0	127.0	1.0
2018	129.0	129.5	1.0
2019	133.0	132.1	1.0
2020	129.0	135.4	1.0
2021	134.6	135.4	1.0

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Annual Sewer Connections  
(Last Ten Fiscal Years)  
(Unaudited)

<b>Fiscal year</b>	<b>Total sewer connections</b>	<b>Cost per single family residential equivalent</b>
2012	9,112	3,310
2013	8,606	3,960
2014	8,804	3,960
2015	11,826	3,960
2016	14,022	4,220
2017	15,827	4,220
2018	18,549	4,270
2019	13,251	4,270
2020	12,047	4,340
2021	13,005	4,550

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Number of Sewer Customers by Type

(Last Ten Fiscal Years)

(Unaudited)

<b>Fiscal year</b>	<b>Municipalities</b>	<b>Special connectors</b>	<b>Industrial</b>	<b>Total</b>
2012	22	25	2	49
2013	22	25	2	49
2014	22	25	2	49
2015	22	26	2	50
2016	22	26	2	50
2017	22	26	2	50
2018	22	26	2	50
2019	22	26	2	50
2020	22	26	2	50
2021	22	26	2	50

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Ten Largest Customers  
(Current Year and Nine Years Ago)  
(Unaudited)

Customer	<b>Fiscal year 2021</b>	
	<b>Sewer revenue</b>	
	<b>Amount</b>	<b>Percentage</b>
City and County of Denver	\$ 61,805,143	45.6%
City of Aurora	25,626,315	18.9%
City of Thornton	8,784,655	6.5%
City of Arvada	8,334,764	6.2%
City of Lakewood	2,849,993	2.1%
North Washington Street Water and Sanitation District	2,689,809	2.0%
City of Westminster	2,571,967	1.9%
Bancroft-Clover Water and Sanitation District	2,569,737	1.9%
Green Mountain Water and Sanitation District	2,023,538	1.5%
Lakehurst Water and Sanitation District	1,549,719	1.1%
Subtotal (10 largest)	118,805,640	87.7%
Balance from other customers	16,635,184	12.3%
Grand Totals	\$ 135,440,824	100.0%

Customer	<b>Fiscal year 2012</b>	
	<b>Sewer revenue</b>	
	<b>Amount</b>	<b>Percentage</b>
City and County of Denver	\$ 44,367,414	43.6%
City of Aurora	19,661,571	19.3%
City of Thornton	6,603,731	6.5%
City of Arvada	6,540,959	6.4%
City of Lakewood	2,237,024	2.2%
City of Westminster	2,014,583	2.0%
Bancroft-Clover Water and Sanitation District	1,996,727	2.0%
Green Mountain Water and Sanitation District	1,755,064	1.7%
North Washington Street Water and Sanitation District	1,458,168	1.4%
Lakehurst Water and Sanitation District	1,430,752	1.4%
Subtotal (10 largest)	88,065,993	86.5%
Balance from other customers	13,694,865	13.5%
Grand Totals	\$ 101,760,858	100.0%

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Pledged Revenue Coverage  
(Last Ten Fiscal Years)  
(Unaudited)

Fiscal year	Operating revenues	Sewer connection fees (2)	Interest on Investments	Gross revenues (3)(5)	Less operating expenses (1)	Net available revenues	Debt service - revenue bonds			Coverage ratio
							Principal	Interest (4)	Total	
2012	\$ 103,130,010	\$ 42,559,521	\$ 4,335,939	\$ 150,025,470	\$ 58,429,059	\$ 91,596,411	\$ 14,440,000	\$ 21,290,694	\$ 35,730,694	2.56
2013	110,809,466	33,774,958	(34,201)	144,550,223	60,225,319	84,324,904	10,710,000	26,131,299	36,841,299	2.29
2014	115,723,735	34,639,805	4,597,918	154,961,458	61,987,561	92,973,897	11,160,000	25,709,902	36,869,902	2.52
2015	120,903,118	45,098,049	3,020,955	169,022,122	65,807,672	103,214,450	12,005,000	25,219,771	37,224,771	2.77
2016	127,174,092	54,064,758	110,946	181,349,796	66,325,434	115,024,362	21,620,000	24,445,259	46,065,259	2.50
2017	128,756,972	59,490,896	3,931,505	192,179,373	73,405,388	118,773,985	22,370,000	23,286,846	45,656,846	2.60
2018	132,848,289	64,155,603	5,844,697	202,848,589	76,682,721	126,165,868	23,160,000	22,299,275	45,459,275	2.78
2019	134,209,798	51,631,996	11,317,707	197,159,501	82,125,678	115,033,823	23,985,000	21,609,030	45,594,030	2.52
2020	138,461,087	52,287,224	8,005,862	198,754,173	85,320,687	113,433,486	27,385,000	15,547,363	42,932,363	2.64
2021	137,264,264	59,198,692	(2,134,012)	194,328,944	89,338,343	104,990,601	26,645,000	20,375,156	47,020,156	2.23

- (1) Operating expenses include capitalized wages and capital outlay, excluding depreciation. Source: ACFR Schedule 2
- (2) The District received \$12.4 million for the purchase of additional BOD capacity from Denver International Airport in 2012 in addition to \$30.1 million of Sewer Connection Charges.
- (3) As restated for implementation of GASB No. 68 in 2014.
- (4) Net of 2009B BABS interest refund.
- (5) As restated for implementation of GASB No. 75 2017.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Ratios of Outstanding Debt  
(Last Ten Fiscal Years)  
(Unaudited)

<b>Fiscal Year</b>	<b>Outstanding principal - revenue bonds (thousands of dollars)</b>	<b>Personal income (thousands of dollars)</b>	<b>Per capita personal income</b>	<b>Outstanding principal debt to personal income</b>
2011	\$ 683,148	\$ 134,735,338	\$ 50,936	\$ 0.51
2013	670,062	140,122,755	51,946	0.48
2014	656,685	148,684,245	53,983	0.44
2015	642,543	157,531,669	55,975	0.41
2016	618,786	162,316,535	56,892	0.38
2017	594,280	172,311,400	59,660	0.34
2018	569,574	188,515,221	64,287	0.30
2019	539,842	199,503,851	67,236	0.27
2020	670,292	208,852,979	69,822	0.32
2021	640,358	N/A	N/A	N/A

N/A: not available at time of compilation

**Source:** Bureau of Economic Analysis - U.S. Department of Commerce

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Demographic and Economic Statistics  
(Last Ten Calendar Years)  
(Unaudited)

Fiscal Year	Population (1)	Personal income (thousands of dollars)	Per capita personal income	Unemployment rate
2012	2,645,209	\$ 134,735,338	\$ 50,936	7.4%
2013	2,697,476	140,122,755	51,946	6.5%
2014	2,754,258	148,684,245	53,983	4.8%
2015	2,814,330	157,531,669	55,975	3.6%
2016	2,853,077	162,316,535	56,892	3.1%
2017	2,888,227	172,311,400	59,660	3.1%
2018	2,932,415	188,515,221	64,287	3.6%
2019	2,967,239	199,503,851	67,236	2.5%
2020	2,991,231	208,852,979	69,822	6.4%
2021	N/A	N/A	N/A	4.2%

(1) Represents the population of Metropolitan Denver.

N/A: not available at time of printing

**Source:** U.S. Bureau of Economic Analysis and U.S. Department of Labor



**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Ten Largest Employers  
(Current Year and Nine Years Ago)  
(Unaudited)

Employer	2021		
	Employees	Percentage of total (1)	Rank
UHealth	12,390	0.73%	1
HealthONE	9,000	0.53	2
Amazon	8,560	0.51	3
Lockheed Martin Corporation	7,540	0.45	4
United Airlines	6,930	0.41	5
Centura Health	6,610	0.39	6
JBS	6,000	0.35	7
Children's Hospital Colorado	5,980	0.35	8
Comcast	5,590	0.33	9
Kaiser Permanente	4,700	0.28	10
Total	73,300		

Employer	2012		
	Employees	Percentage of total (2)	Rank
HealthONE	10,280	0.72%	1
Exempla Healthcare	7,260	0.51	2
Lockheed Martin	7,030	0.50	3
Centura Health	6,920	0.49	4
CenturyLink	6,850	0.48	5
Kaiser Permanente	6,170	0.43	6
Comcast Corporation	5,000	0.35	7
United Airlines	4,600	0.32	8
DISH Network	4,420	0.31	9
Children's Hospital of Colorado	4,400	0.31	10
Total	62,930		

**Source:** Metro Denver Economic Development Corporation  
 (1) Total employed - 2021 1,691,353  
 (2) Total employed - 2012 1,419,108

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Number of Employees by Activity  
(Last Ten Fiscal Years)  
(Unaudited)

	<b>Full-time-equivalent employees as of December 31,</b>									
	<b>2021</b>	<b>2020*</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016*</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>
Administrative Services	52.00	56.00	63.00	62.00	58.00	59.00	66.00	67.00	67.00	67.00
Comprehensive Planning	4.00	3.00	—	—	—	—	—	—	—	—
Engineering	44.75	44.75	39.75	38.00	36.75	37.75	39.75	38.75	38.00	40.00
Environmental Services	71.00	81.00	77.00	70.00	68.50	70.50	68.50	63.50	61.50	59.00
Human Resources	12.00	12.00	12.00	12.00	12.00	5.00	—	—	—	—
Maintenance	69.00	72.00	79.00	79.00	69.00	73.00	—	—	—	—
Northern Treatment Plant	19.00	21.00	—	—	—	—	11.25	3.00	2.00	2.00
Office of the General Counsel	3.00	2.00	2.00	2.00	2.00	2.00	—	—	—	—
Office of the Chief Executive Officer (including legal services from 2011-2015)	7.00	4.00	4.00	3.00	2.00	3.00	8.00	7.00	7.00	5.00
Operations	36.00	35.00	46.00	45.00	42.00	46.00	—	—	—	—
RWHTF Operations and Maintenance	—	—	—	—	—	—	133.75	136.00	136.00	139.00
Resource, Recovery & Reuse	61.00	66.00	70.00	73.00	72.00	71.00	43.00	38.00	41.00	44.00
Strategy & Communication	8.00	8.00	—	—	—	—	—	—	—	—
Technology & Innovation	19.00	7.00	15.00	16.00	12.00	9.00	—	—	—	—
<b>Total</b>	<b>405.75</b>	<b>411.75</b>	<b>407.75</b>	<b>400.00</b>	<b>374.25</b>	<b>376.25</b>	<b>370.25</b>	<b>353.25</b>	<b>352.50</b>	<b>356.00</b>

\* Information for 2016 updated with re-organization during 2017 Budget preparation process.

\* Information for 2020 updated with re-organization during 2022 Budget preparation process.

**Metro Water Recovery**  
For the Years Ended December 31, 2021 and 2020

Statistical Section

Operating Indicators by Function/Program  
(Last Ten Fiscal Years)  
(Unaudited)

Function/Program:	Fiscal Year									
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Wastewater Treatment										
Number of Wastewater Plants	2	2	2	2	2	2	1	1	1	1
Treatment Capacity (mgd) (1)	249	249	249	249	249	249	225	225	225	225
Average Flow Treated (mgd) (1)	135	129	133	129	133	137	148	133	130	129
BOD (tpd) (2) (3)	169	168	171	162	160	166	164	155	156	142
TSS (tpd) (4)	171	171	186	170	181	171	170	168	170	148
Flow Permit Limits	249	249	249	249	249	249	220	220	220	220
BOD Permit Limits	240	240	240	240	240	240	212	212	212	212
Biosolids:										
Dry tons distributed	28,895	29,983	29,338	30,621	30,149	29,640	28,961	27,525	26,068	27,026
Truck miles driven	873,294	873,054	907,080	866,302	890,286	867,581	839,631	736,493	663,805	819,752
Truck loads	6,841	6,957	6,843	7,173	7,005	6,622	6,527	6,001	5,818	6,326
Acres biosolids applied to	12,850	15,786	13,697	13,360	13,975	16,537	16,765	16,912	13,965	15,222
Facility inspection:										
Line cleaning - feet	153,490	205,392	179,636	181,607	183,216	189,260	182,485	181,627	170,939	167,537
Surface inspection - number	2,352	2,255	2,502	2,478	2,624	2,788	2,481	2,910	2,259	2,349
TV inspection - feet	81,893	138,336	106,617	129,479	114,576	176,982	131,356	149,829	133,263	136,206
Cogeneration production:										
Energy output - kwhs (5)	33,152,566	33,152,566	34,023,964	31,765,767	28,792,361	30,421,280	32,183,360	30,869,600	31,838,560	31,603,520
District-Wide Personnel at Year-End:	405.75	411.75	407.75	400.00	374.25	376.25	370.25	353.25	352.50	356

- (1) mgd: million gallons per day
- (2) BOD: biochemical oxygen demand
- (3) tpd: tons per day
- (4) TSS: total suspended solids
- (5) kwhs: kilowatt hours



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